

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue

Charleston, South Carolina 29403-5107

and

THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Office of Environmental Quality Control

Water Quality Certification and Wetlands Programs Section

2600 Bull Street

Columbia, South Carolina 29201

REGULATORY DIVISION

JANUARY 4, 2010

Refer to: P/N # 2006-2342-DIE

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), and the South Carolina Coastal Zone Management Act (48-39-10 et.seq.) an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

South Carolina Department of Transportation

Post Office Box 191, 955 Park Street

Columbia, South Carolina 20202-0191

for a permit to place fill material in waters of the United States (including wetlands) adjacent to and within unnamed tributaries flowing to

Cooper River

along U.S. Highway 17-Alternate from Cypress Gardens Road to Perry Hill Road in Moncks Corner, Berkeley County, South Carolina (Latitude 33.15506, Longitude -80.05913).

In order to give all interested parties an opportunity to express their views

N O T I C E

is hereby given that written statements regarding the proposed work will be received by the **Corps** until

15 DAYS FROM THE DATE OF THIS NOTICE

And SCDHEC will receive written statements regarding the proposed work until

30 DAYS FROM THE DATE OF THIS NOTICE

from those interested in the activity and whose interests may be affected by the proposed work.

The proposed work consists of widening U.S. Highway 17-Alternate from Cypress Gardens Road to Perry Hill Road, a distance of approximately eight miles. The widening will consist of a five lane curb and gutter section of one thirteen-foot and one eleven-foot travel lane in each direction. A fourteen-foot paved median will provide for left turning lanes. Paved intersecting side roads will have their turning radii expanded and sight distances improved. The intersection with Wildwood Drive (S-272) will be relocated to make a T-type intersection with U.S. Highway 17-A. Certain improvements will be made to existing drainage structures along U.S. Highway

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17-A. Existing 75-foot right of way will be expanded to 90 feet with 45 feet on each side of the centerline. Sidewalks will be constructed along the entire project corridor.

In detail, this project will require filling 2.41 acres of waters of the United States (including wetlands), excavating 0.28 acres of waters of the United States (including wetlands), clearing 0.34 acres of waters of the United States (including wetlands), and piping/culverting 1,587 linear feet (0.41 ac) of waters of the United States (streams).

For those unavoidable impacts to wetlands, the applicant is proposing to mitigate by purchasing 33.3 restoration/non-buffer enhancement wetland mitigation credits from the Congaree Carton Mitigation Bank (CCMB). If wetland mitigation credits are not available through CCMB, the applicant proposes to obtain the mitigation credits from Pigeon Pond Mitigation Bank. As a last option, if all or any portion of the required mitigation credits are not available or purchase, credits will be obtained from the SCDOT Black River Mitigation Bank at a 3:1 ratio for fill and excavation and a ratio of 1:1 for clearing impacts. If this source of mitigation is used, based on these ratios, the applicant is proposing a total of 8.4 acres.

For impacts to 1,587 linear feet of streams, the applicant is proposing permittee-responsible mitigation at a site referred to as Hogpen Creek. This 7.2 acre parcel will include 1,743 linear feet of restored stream using Priority I Natural Channel Design throughout the entire length and the adjacent riparian wetland, buffered seventy-five feet on each side. By designing channel realignment, this plan proposes to raise the channel bed approximately one foot on average, thereby restoring floodplain access to the adjacent riparian wetland. The protection of the restored stream and adjacent riparian buffer will be secured and protected in perpetuity throughout the establishment of restrictive covenants placed on the 7.2 acres of mitigation area.

The purpose of the proposed project, according to the applicant, is to provide for increasing vehicle traffic and safe transportation for vehicles, bicyclists and pedestrians.

NOTE: Plans depicting the work described in this notice are available and will be provided, upon receipt of a written request, to anyone that is interested in obtaining a copy of the plans for the specific project. The request must identify the project of interest by public notice number and a self-addressed stamped envelope must also be provided for mailing the drawings to you. Your request for drawings should be addressed to the

**U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
69A Hagood Avenue
Charleston, South Carolina 29403-5107.**

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions of the South Carolina Coastal Zone Management Act (15 CFR 930). The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review. Persons wishing to comment or object to State certification must submit all comments in writing to the S.C. Department of Health and Environmental Control at the above address within thirty (30) days of the date of this notice.

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This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact 3.42 acres upstream of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

The District Engineer has consulted the most recently available information and has determined that the project will have no effect on any Federally endangered, threatened, or proposed species and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended).

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property listed as being eligible for inclusion in the Register. To insure that other cultural resources that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office to provide any information it may have with regard to historic and cultural resources.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps of Engineers cannot undertake to adjudicate rival claims.

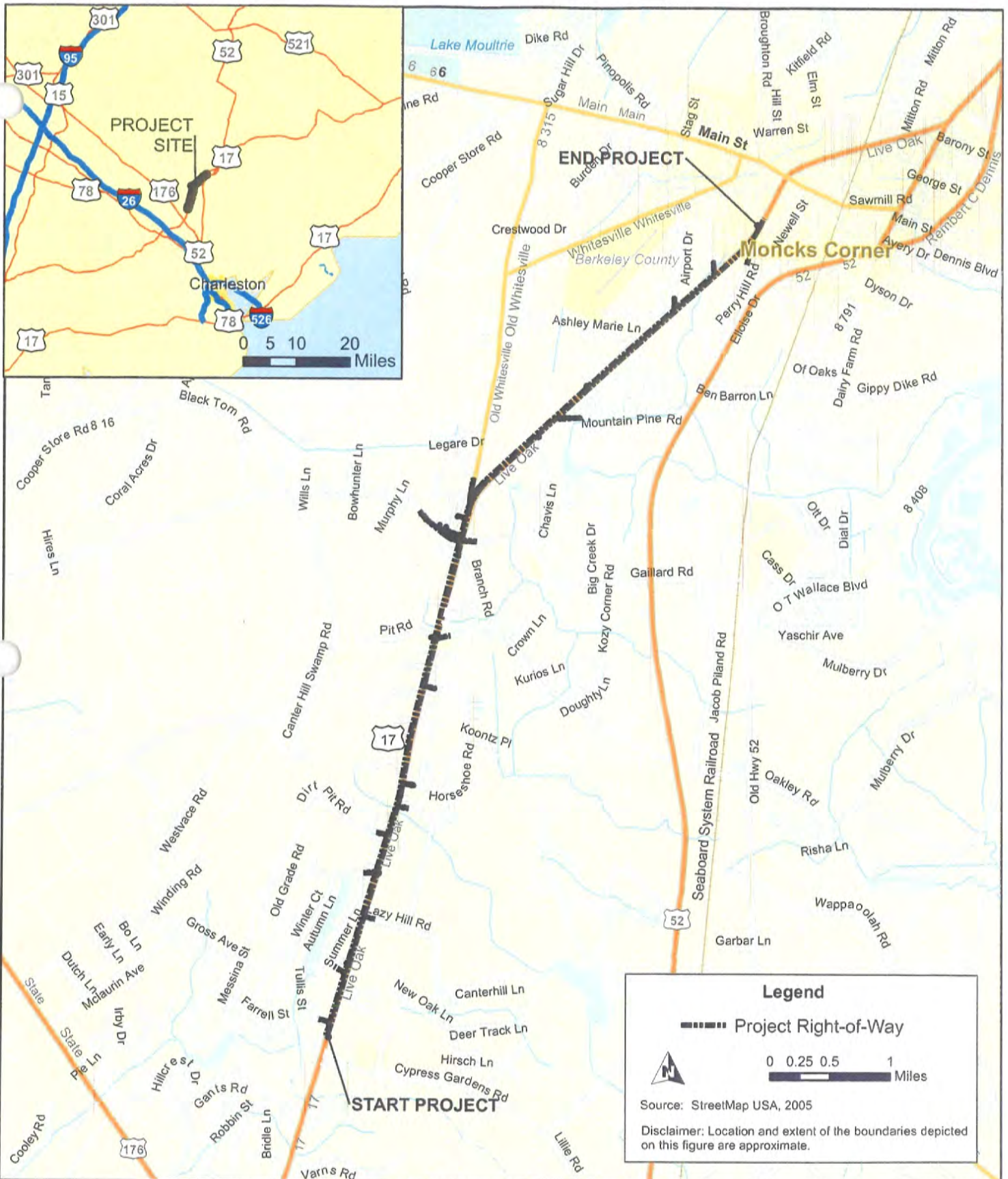
REGULATORY DIVISION

Refer to: P/N # 2006-2342-DIE

JANUARY 4, 2010

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

If there are any questions concerning this public notice, please contact Elizabeth Williams at 843-329-8044 or toll free at 1-866-329-8187.



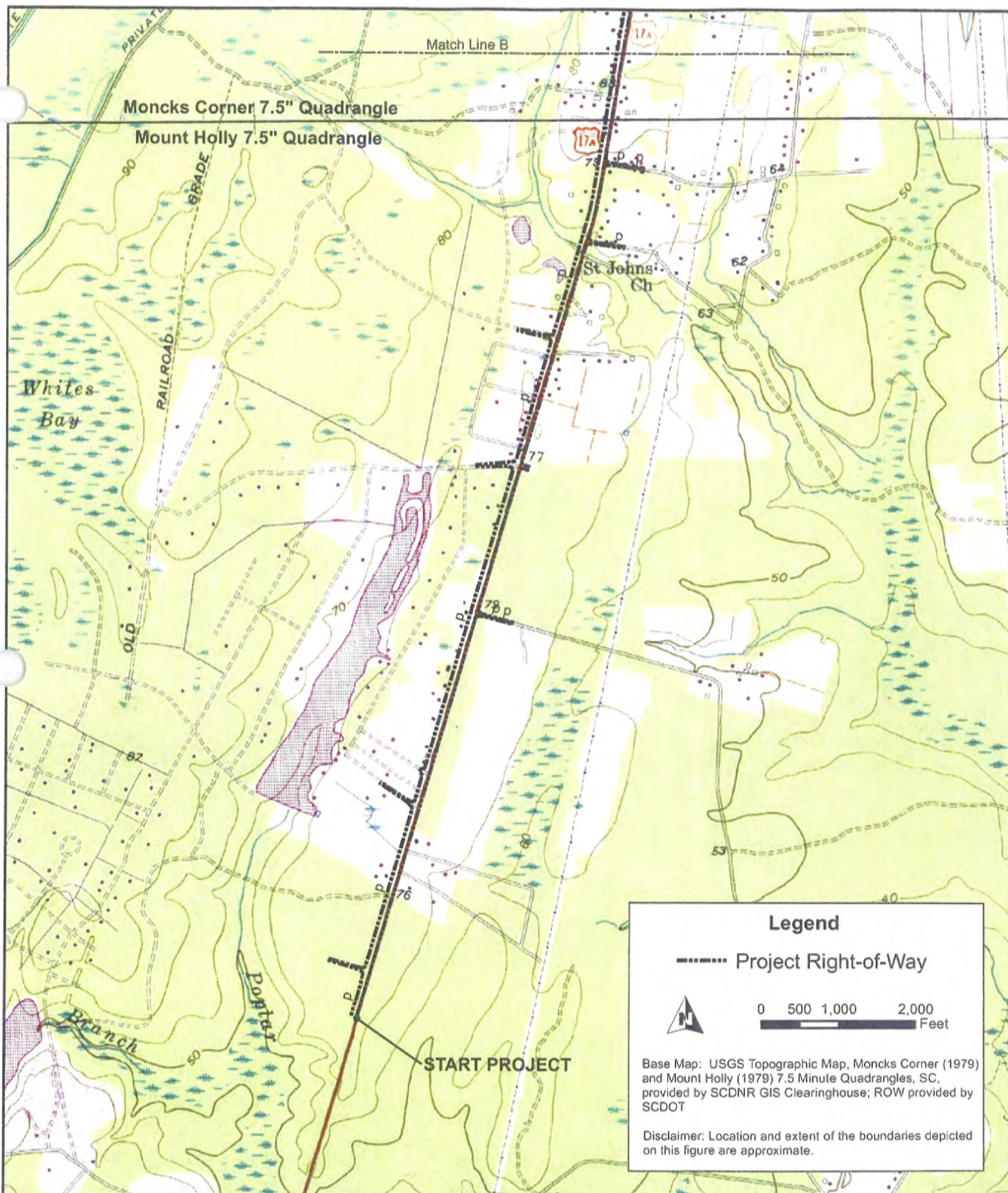
SAC 2006-2342-DIE

MACTEC
720 Gracern Road, Suite 132
Columbia, SC 29210

SCDOT
South Carolina Department of Transportation

Location Street Map - Sheet 1 of 62

Project Title: SCDOT US-17 Alt. Project
SCDOT No: 32502
Applicant: South Carolina Department of Transportation
Location: Berkeley County, SC
Date: December 30, 2009



SAC 2006-2342-D12

MACTEC
720 Gracem Road, Suite 132
Columbia, SC 29210

SCDOT
South Carolina Department of Transportation

USGS Topographic Map - Sheet 2 of 62

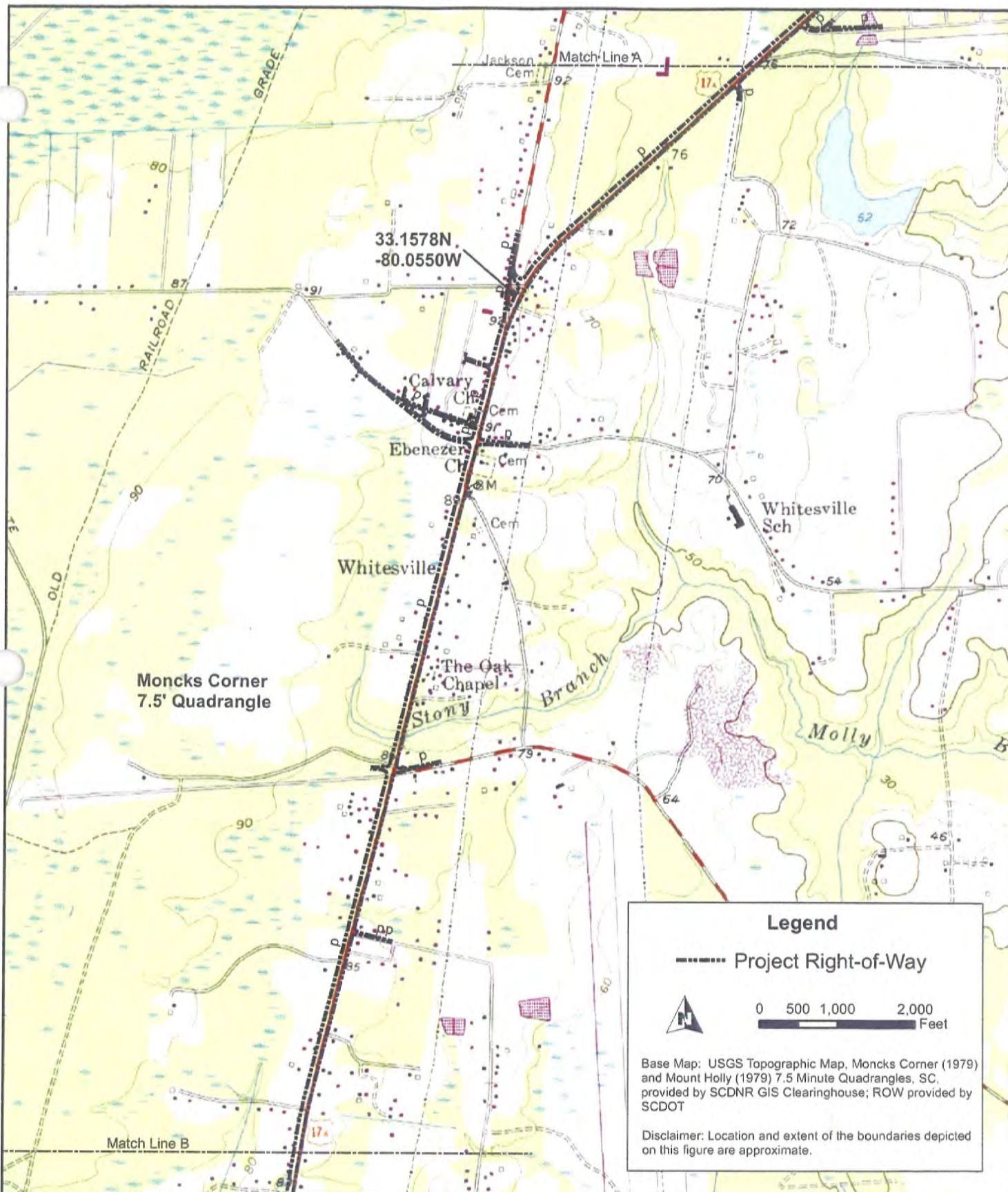
Project Title: SCDOT US-17 Alt. Project

SCDOT No: 32502

Applicant: South Carolina Department of Transportation

Location: Berkeley County, SC

Date: December 30, 2009



SAC 2006-2342-DIE

MACTEC
720 Gracern Road, Suite 132
Columbia, SC 29210

SCDOT
South Carolina Department of Transportation

USGS Topographic Map - Sheet 3 of 62

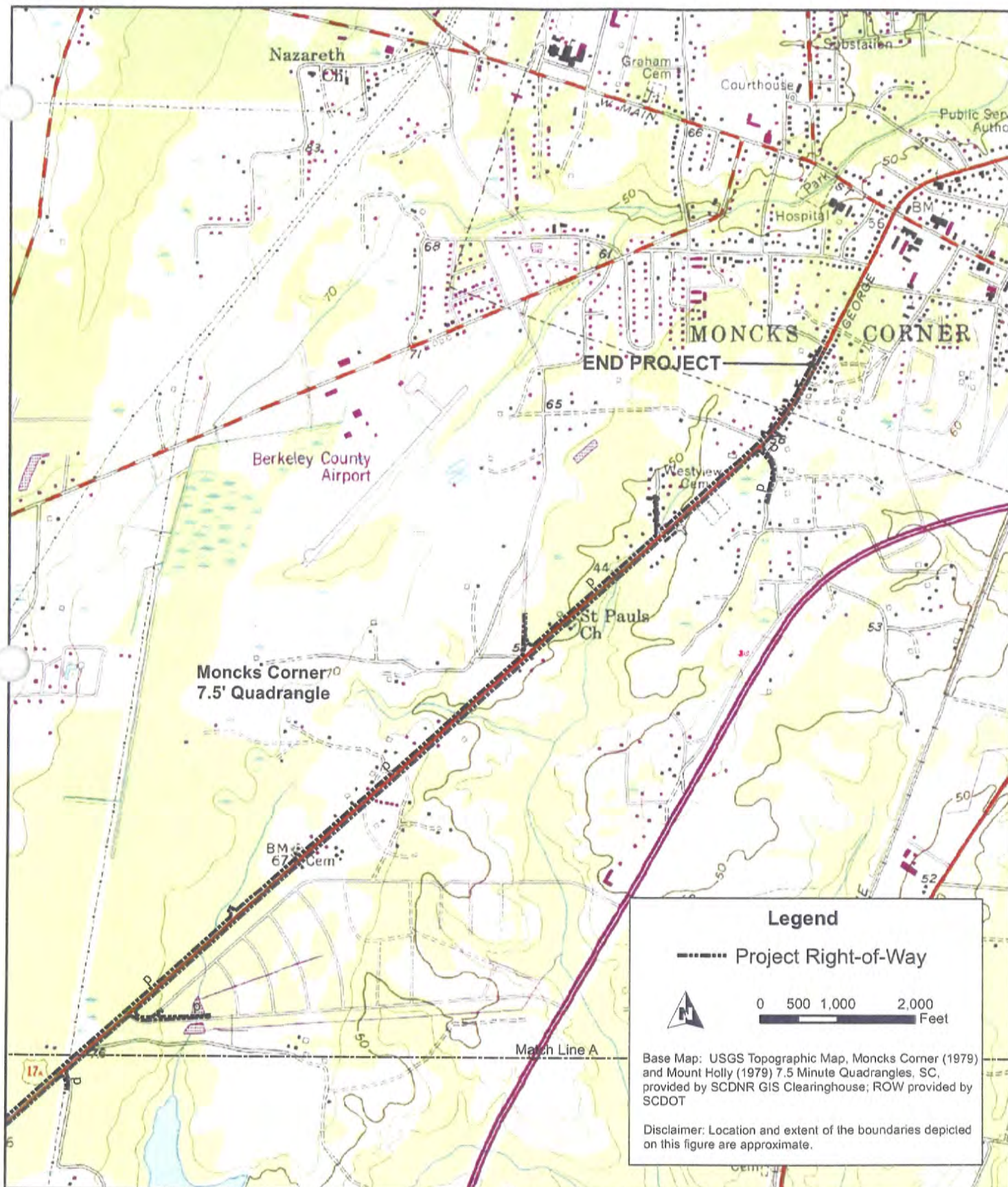
Project Title: SCDOT US-17 Alt. Project

SCDOT No: 32502

Applicant: South Carolina Department of Transportation

Location: Berkeley County, SC

Date: December 30, 2009



SAC 2006-2342-DIE

MACTEC
720 Gracern Road, Suite 132
Columbia, SC 29210

SCDOT
South Carolina Department of Transportation

USGS Topographic Map - Sheet 4 of 62

Project Title: SCDOT US-17 Alt. Project

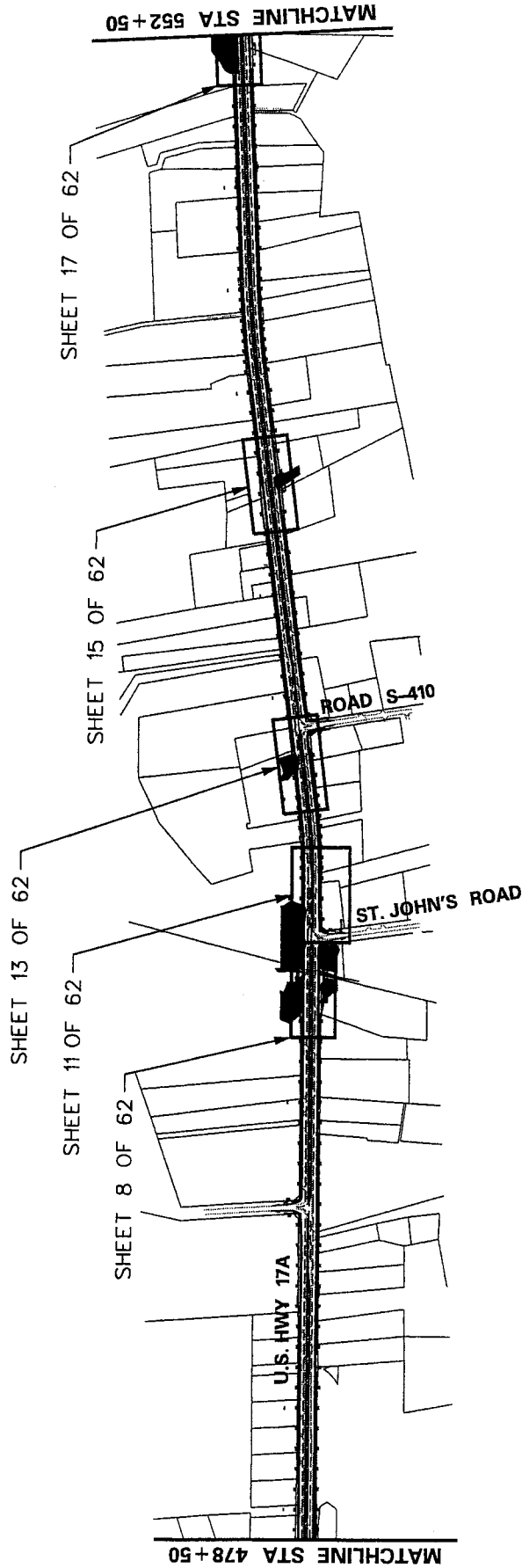
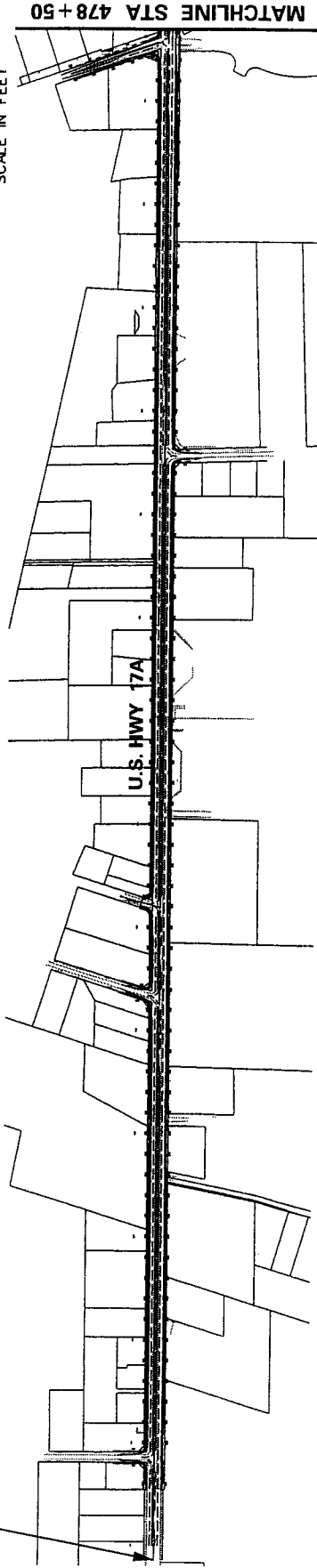
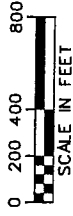
SCDOT No: 32502

Applicant: South Carolina Department of Transportation

Location: Berkeley County, SC

Date: December 30, 2009

PROJECT LIMIT



LEGEND

---	EXISTING ROW		WATERS OF THE U.S.
---	PROPOSED ROW		WETLAND FILL IMPACT
---	CONST. LIMIT		WETLAND CLEAR IMPACT
---	NPDES LINE		STREAM FILL IMPACT
---	IMPOUNDMENT		CHANNELIZED STREAM PIPING IMPACT
---	JURISDICTIONAL WETLAND		IMPOUNDMENT FILL IMPACT
---	CHANNELIZED STREAM		

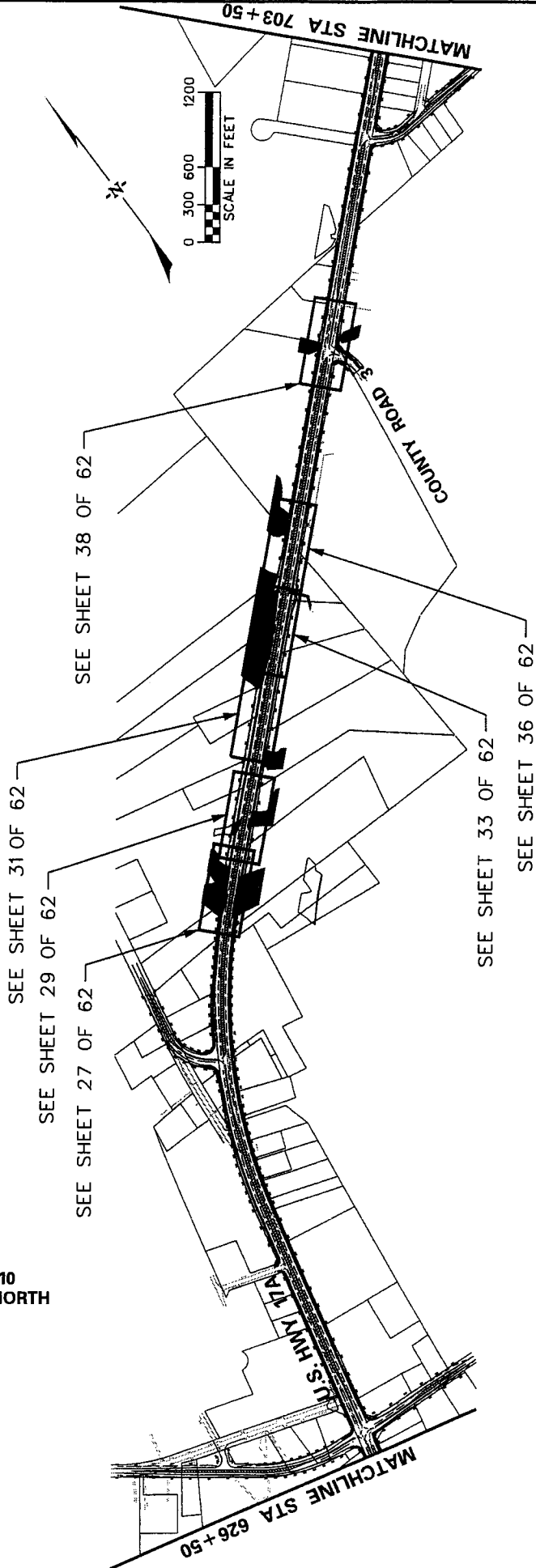
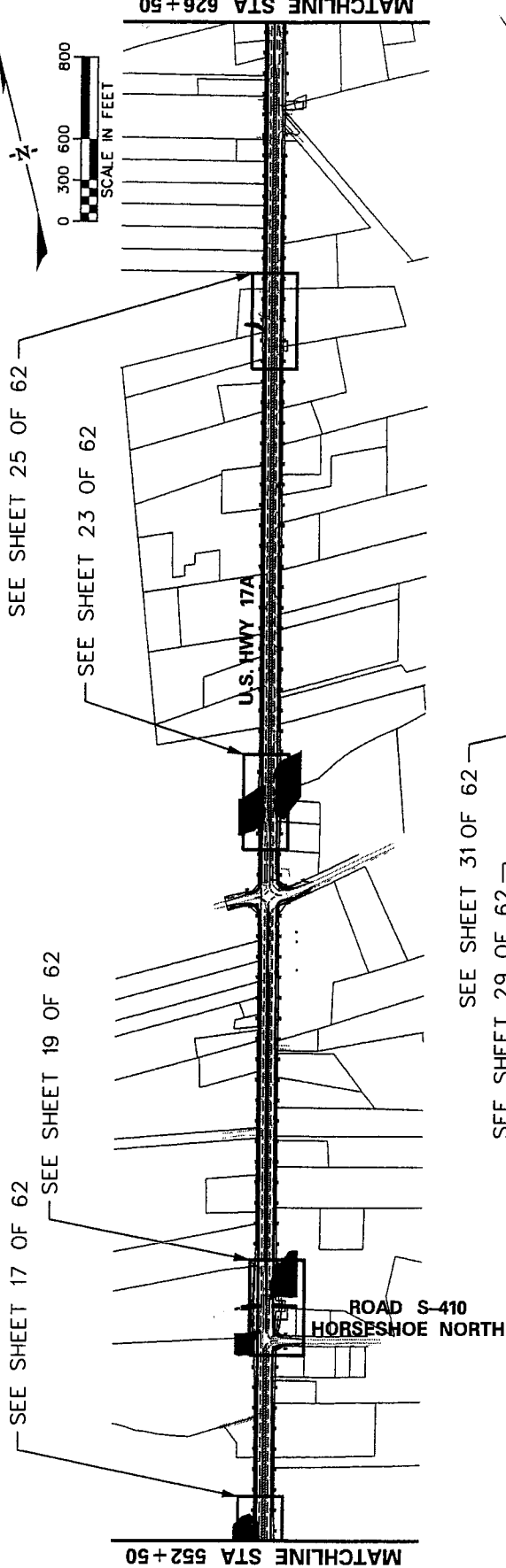
Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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MACTEC
 1200 S. 17th Ave.
 Columbia, SC 29204
 (803) 799-1300

SAC 2006-2342-D12



LEGEND

---	EXISTING ROW	WATERS OF THE U.S.
---	PROPOSED ROW	WETLAND
---	CONST. LIMIT	FILL IMPACT
---	NPDES LINE	WETLAND CLEAR IMPACT
---	IMPOUNDMENT	STREAM FILL IMPACT
---	JURISDICTIONAL	CHANNELIZED STREAM
---	WETLAND	IMPOUNDMENT PIPING IMPACT
---	CHANNELIZED	FILL IMPACT
---	STREAM	

Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

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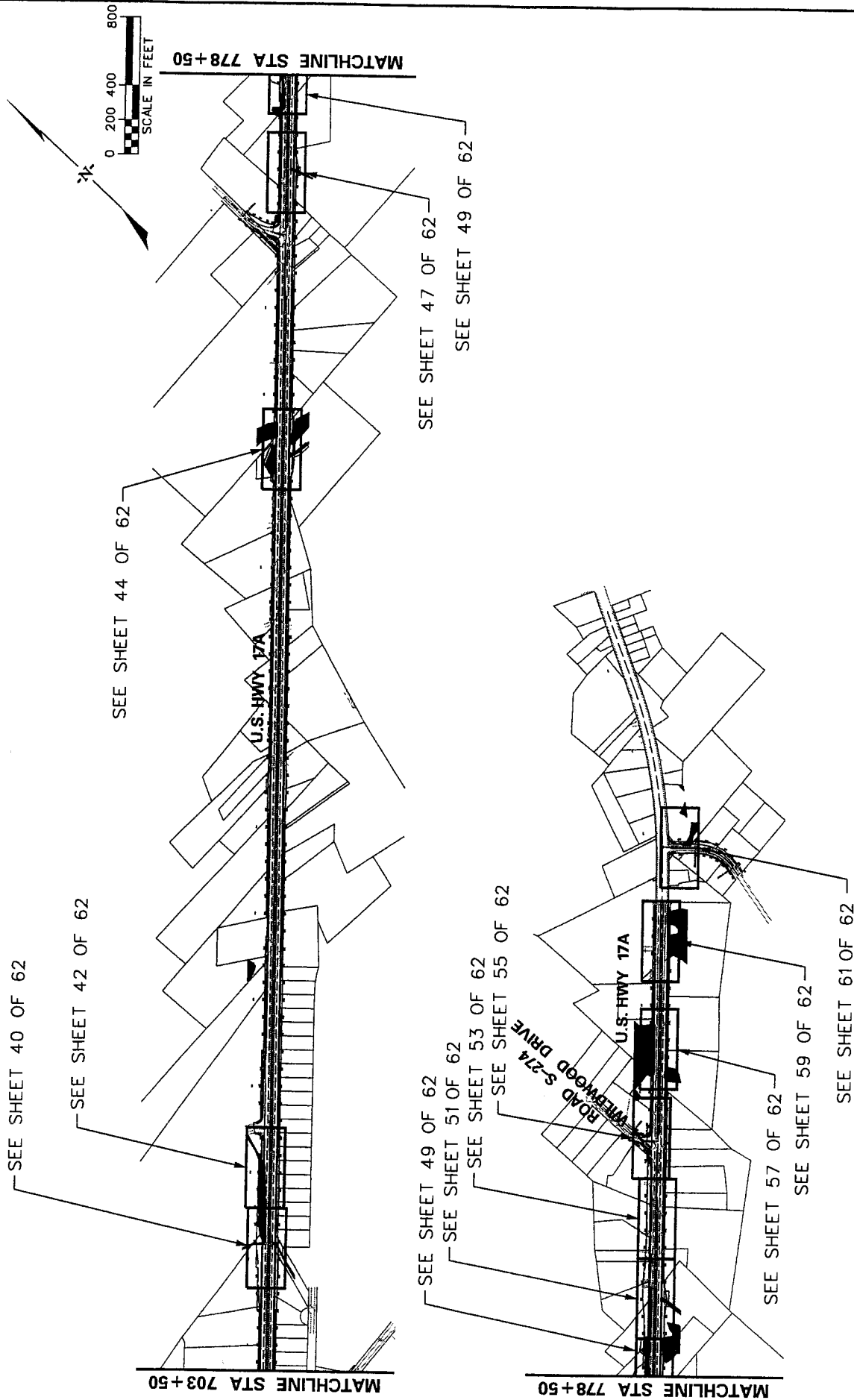
SCDOT

South Carolina Department of Transportation

MACTEC

720 SOUTH MAIN ROAD
COLUMBIA, SOUTH CAROLINA 29210

SAC 2009-2342-DIE

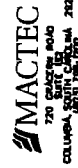


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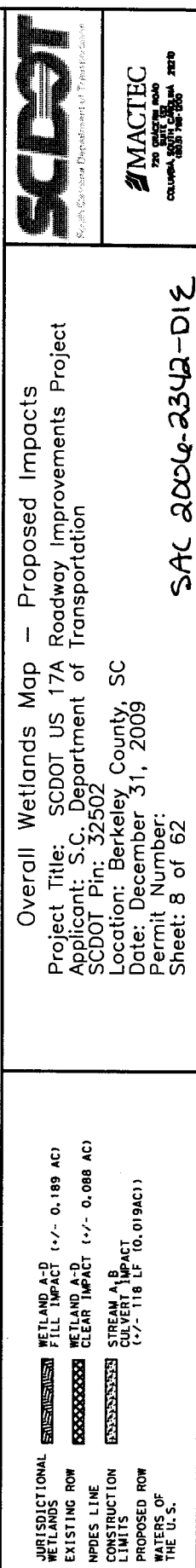
EXISTING ROW	WATERS OF THE U.S.
PROPOSED ROW	WETLAND FILL IMPACT
CONST. LIMIT	WETLAND CLEAR IMPACT
NPDES LINE	STREAM FILL IMPACT
IMPOUNDMENT	CHANNELIZED STREAM PIPING IMPACT
JURISDICTIONAL	IMPOUNDMENT CHANNELIZED
WETLAND	STREAM FILL IMPACT

Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
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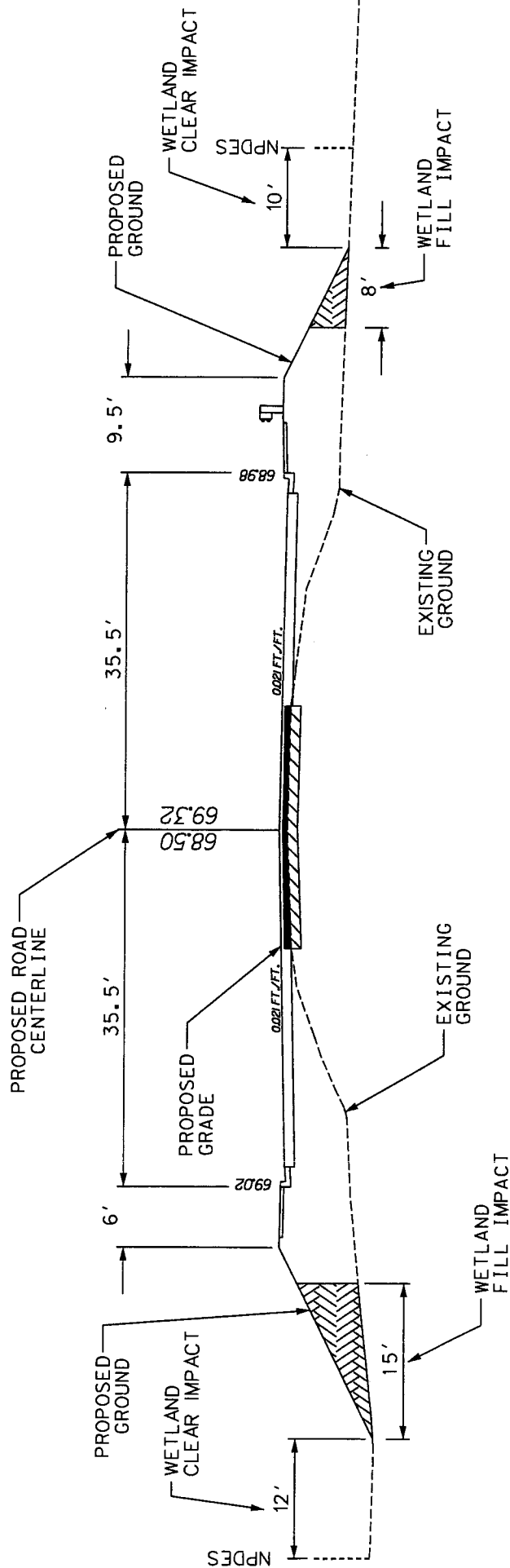


SAC 2004-2342-D1E

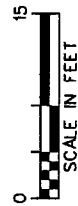


LEGEND

	GRAVEL
	CLAY
	SAND
	ROCK
	WATER
	ICE



SECTION A-A US HWY 17A STA 505+00



LEGEND

WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

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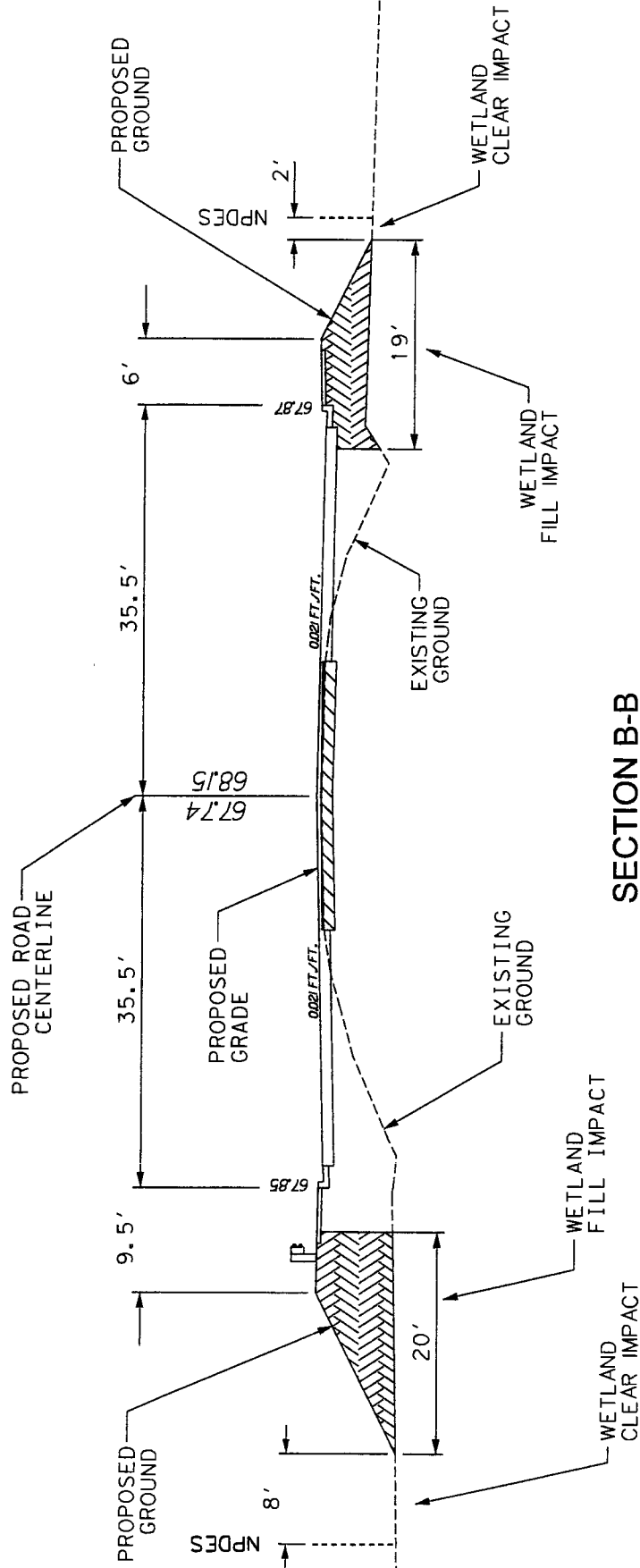
SCDOT

South Carolina Department of Transportation

MACTEC

720 GILBERT ROAD
COLUMBIA, SC 29204

SAC 2009-2342-D12



SECTION B-B US HWY 17A STA 507+00

LEGEND

WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section B-B
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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SCDOT

MACTEC
 1700 GASTON ROAD
 COLUMBIA, SOUTH CAROLINA 29204
 803.746.7200

SAC 2006-2342-D12











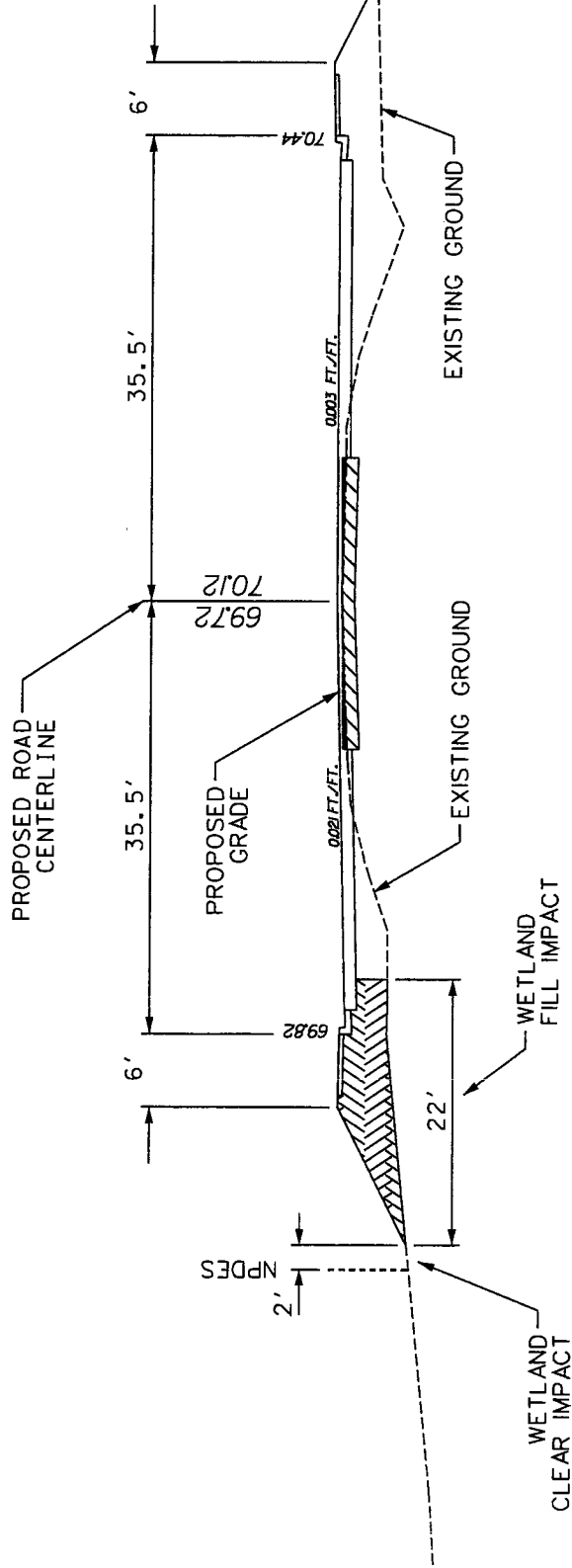
Overall Wetlands Map – Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
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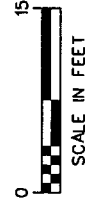
SAC 2006-2342-D1E

LEGEND

	JURISDICTIONAL WETLANDS		WETLAND D FILL IMPACT (+/- 0.083 AC)
	EXISTING ROW		WETLAND D CLEAR IMPACT (+/- 0.021 AC)
	NPDES LINE		
	CONSTRUCTION LIMITS		
	PROPOSED ROW		
	WATERS OF THE U.S.		



SECTION C-C US 17A STA 509+00



LEGEND

WETLANDS FILL IMPACT

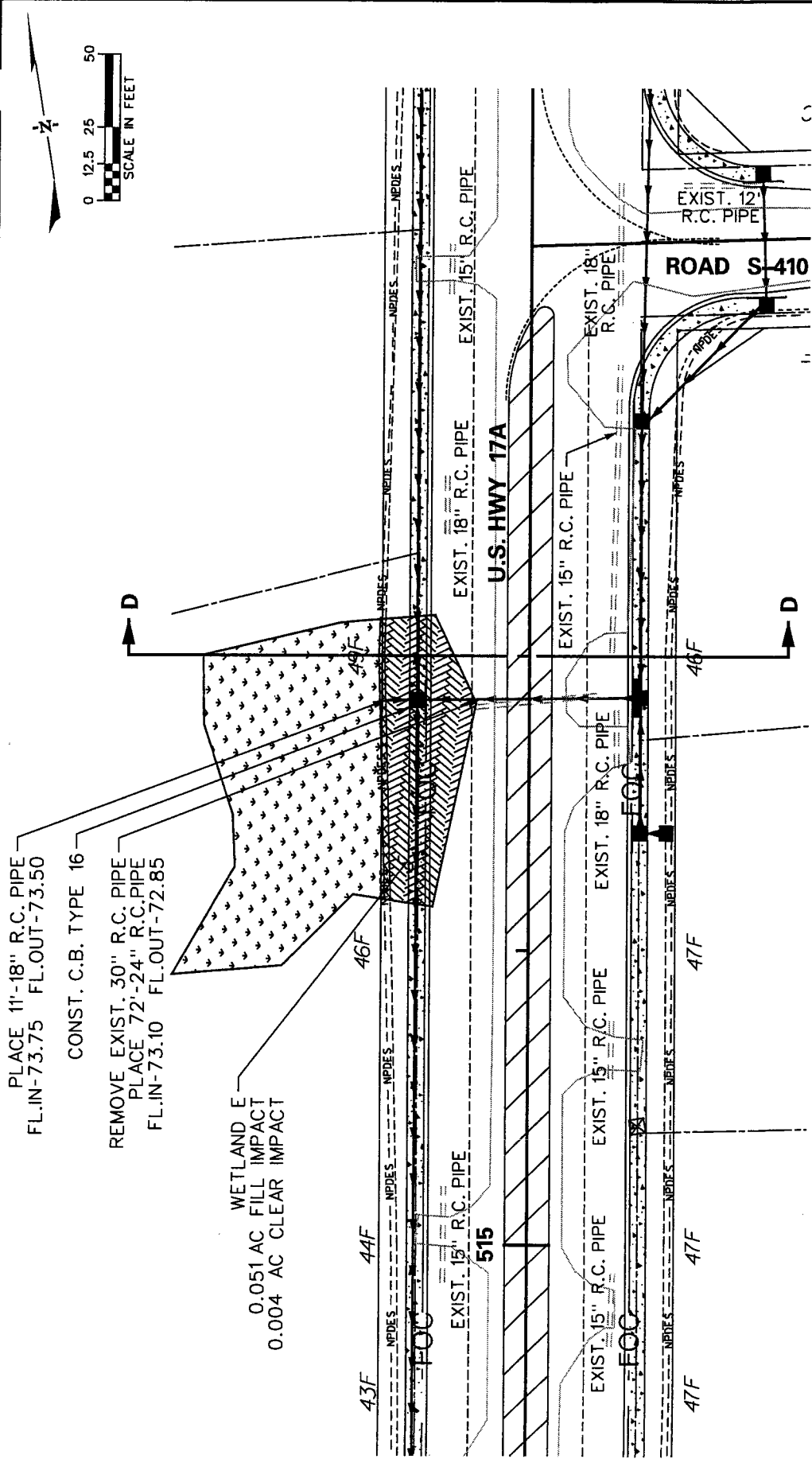


South Carolina Department of Transportation

MACTEC
THE SOUTHERN ROAD
CONSTRUCTION GROUP
COLUMBIA, SOUTH CAROLINA 29210
803.746.1500

Waters of the U.S. / Wetlands Cross-Section C-C
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
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SAC 2009-2342-D12



LEGEND

- JURISDICTIONAL WETLANDS
- EXISTING ROW
- NPDES LINE
- CONSTRUCTION LIMITS
- PROPOSED ROW

WETLAND E FILL IMPACT (+/- 0.051 AC)

WETLAND E CLEAR IMPACT (+/- 0.004 AC)

Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

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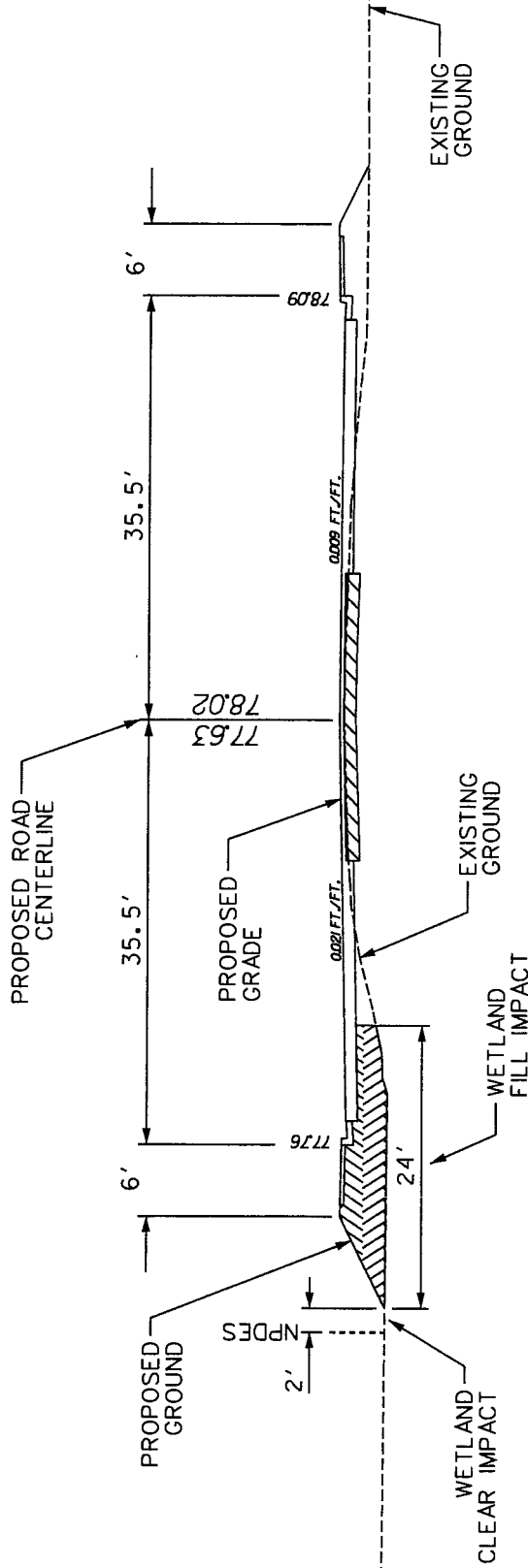
SCDOT

South Carolina Department of Transportation

MACTEC

720 S. STATE ST. SUITE 200
COLUMBIA, SOUTH CAROLINA 29201
(803) 792-5000

SAK 2006-2342-D1E



SECTION D-D U.S. HWY 17A STA 517+00

LEGEND

WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section D-D

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

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MACTEC

2700 S. HIGHWAY 100
COLUMBIA, SOUTH CAROLINA 29210

SAC 2004-2342-D12

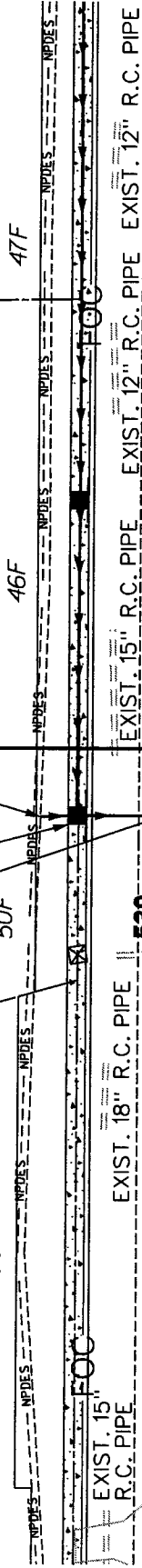
PLACE 11'-24" R.C. PIPE
FL.IN-78.20 FL.OUT-77.90

CONST. C.B. TYPE 16
EXTRA DEPTH-0.2 L.F.

PLACE 72'-24" R.C. PIPE
FL.IN-77.50 FL.OUT-75.30

53F

50F



U.S. HWY 17A

EXIST. 15" R.C. PIPE

EXIST. 15" R.C. PIPE

48F

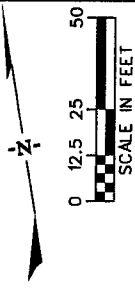
EXIST. 24" R.C. PIPE
PLUG AND ABANDON

CONST. C.B. TYPE 16
EXTRA DEPTH-2.4 L.F.

PLACE 13'-30" R.C. PIPE
FL.IN-75.30 FL.OUT-75.10

CLEAN 100' OUTFALL DITCH
OBTAIN OUTFALL DITCH PERMISSION
PLACE 4 TONS RIPRAP (CLASS B)
PLACE 8 S.Y. GEOTEXTILE FOR
EROSION CONTROL UNDER
RIPRAP (CLASS 2) TYPE B
EXT. EXCAVATION - 10 C.Y.

WETLAND F
0.038 AC FILL IMPACT
0.003 AC CLEARING IMPACT



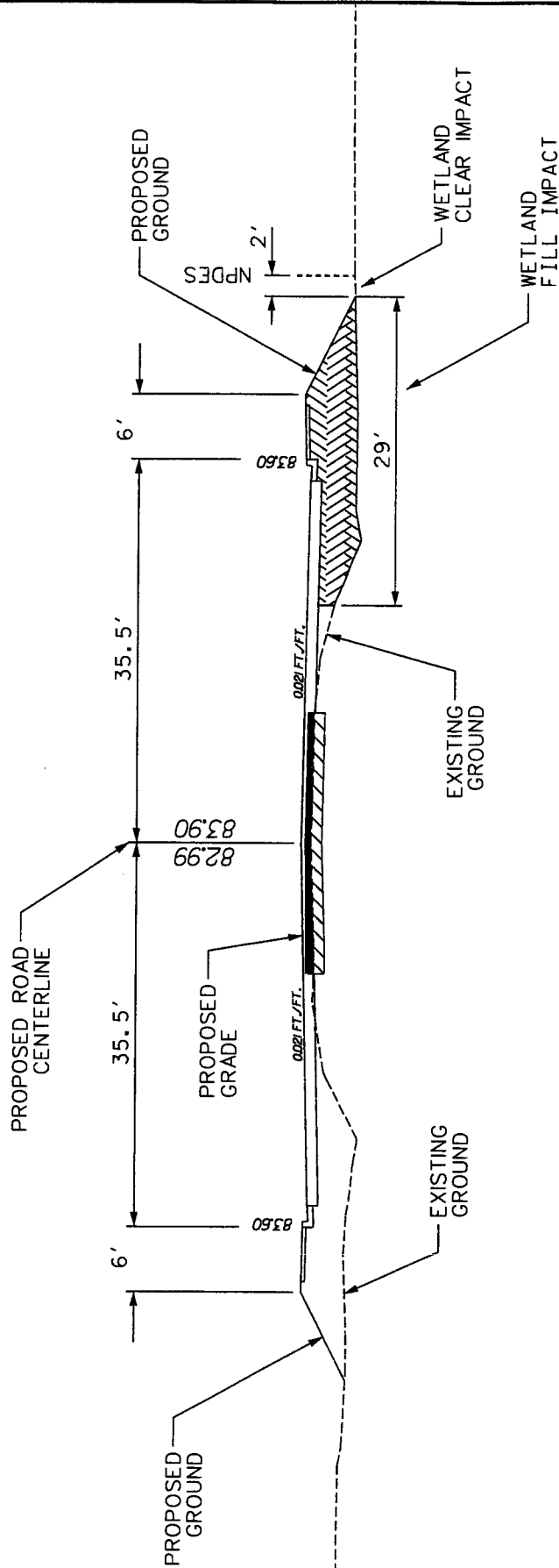
LEGEND

	JURISDICTIONAL WETLANDS
	EXISTING ROW
	NPDES LINE
	CONSTRUCTION LIMITS
	PROPOSED ROW
	WATERS OF THE U.S.
	WETLAND F FILL IMPACT (+/- 0.038 AC)
	WETLAND F CLEAR IMPACT (+/- 0.003 AC)

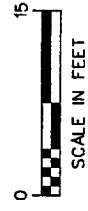
Overall Wetlands Map - Proposed Impacts
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
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SAC 2004-2342-D12



SECTION E-E U.S. HWY 17A STA 530+50



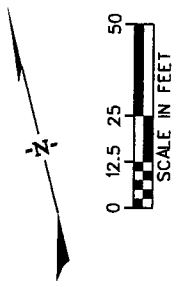
LEGEND
WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section E-E
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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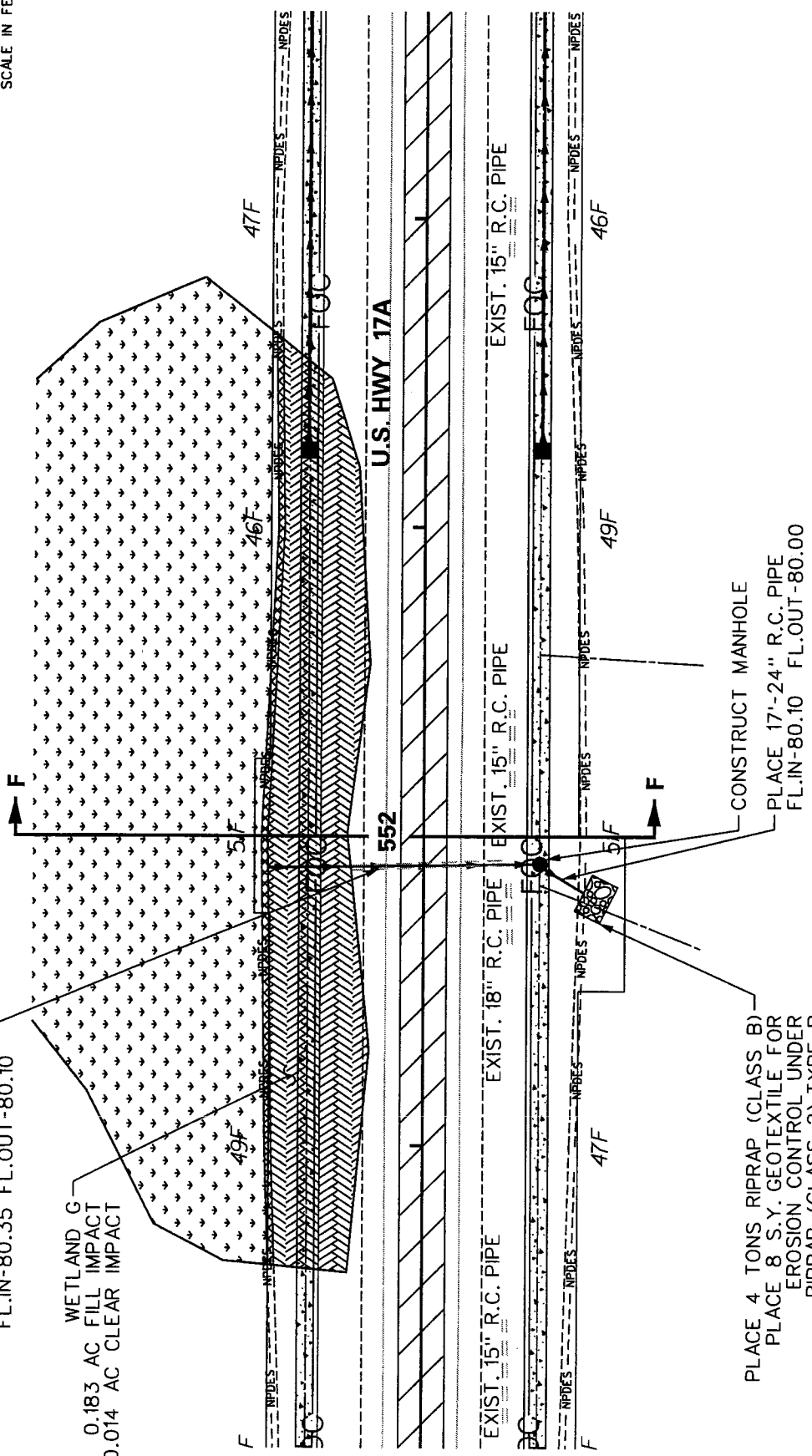
MACTEC
 720 251-1500
 COLUMBIA, SOUTH CAROLINA 29210

SAC 2009-2342-DIE



REMOVE 52'-24" R.C. PIPE
PLACE 88'-24" R.C. PIPE
FL.IN-80.35 FL.OUT-80.10

WETLAND G
0.183 AC FILL IMPACT
0.014 AC CLEAR IMPACT



PLACE 4 TONS RIPRAP (CLASS B)
PLACE 8 S.Y. GEOTEXTILE FOR
EROSION CONTROL UNDER
RIPRAP (CLASS 2) TYPE B

LEGEND

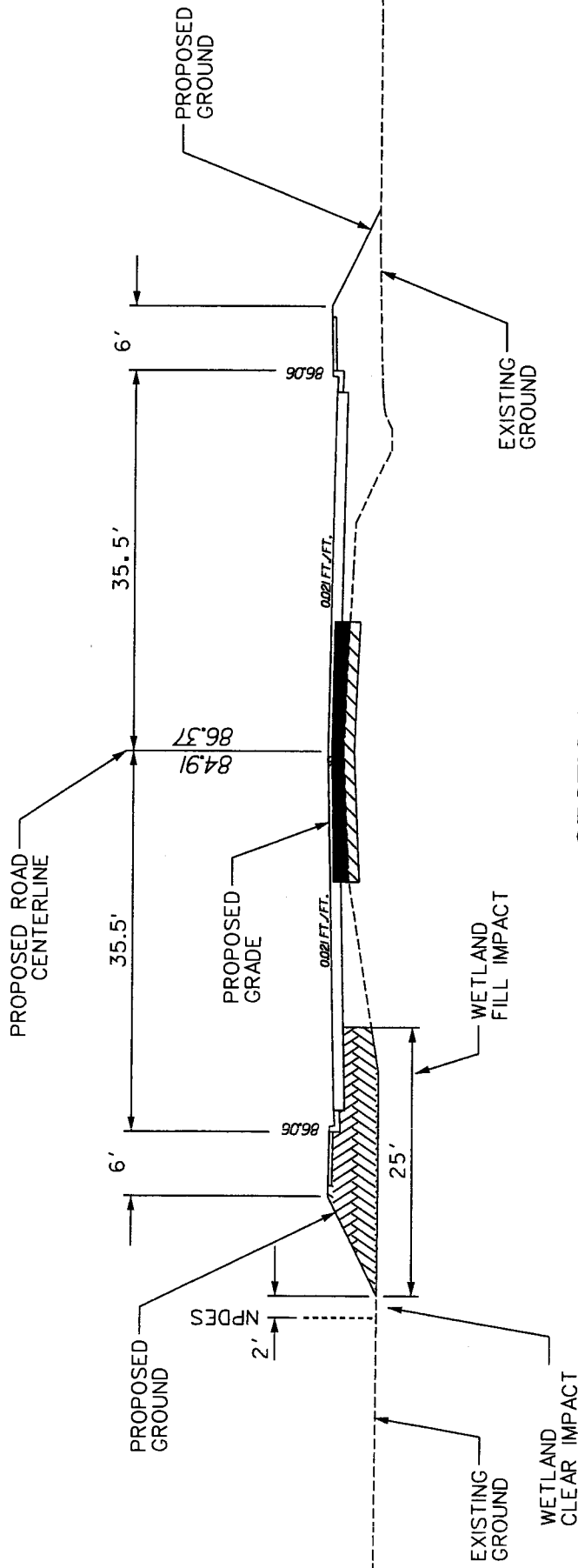
- JURISDICTIONAL WETLANDS
- EXISTING ROW
- NPDES LINE
- CONSTRUCTION LIMITS
- PROPOSED ROW
- WETLAND G FILL IMPACT (+/- 0.183 AC)
- WETLAND G CLEAR IMPACT (+/- 0.014 AC)

Overall Wetlands Map - Proposed Impacts
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
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MACTEC
724 CALDWAY ROAD
SUITE 300
COLUMBIA, SOUTH CAROLINA 29204

SAC 2006-2342-D1E



SECTION F-F U.S. HWY 17A STA 552+00



LEGEND

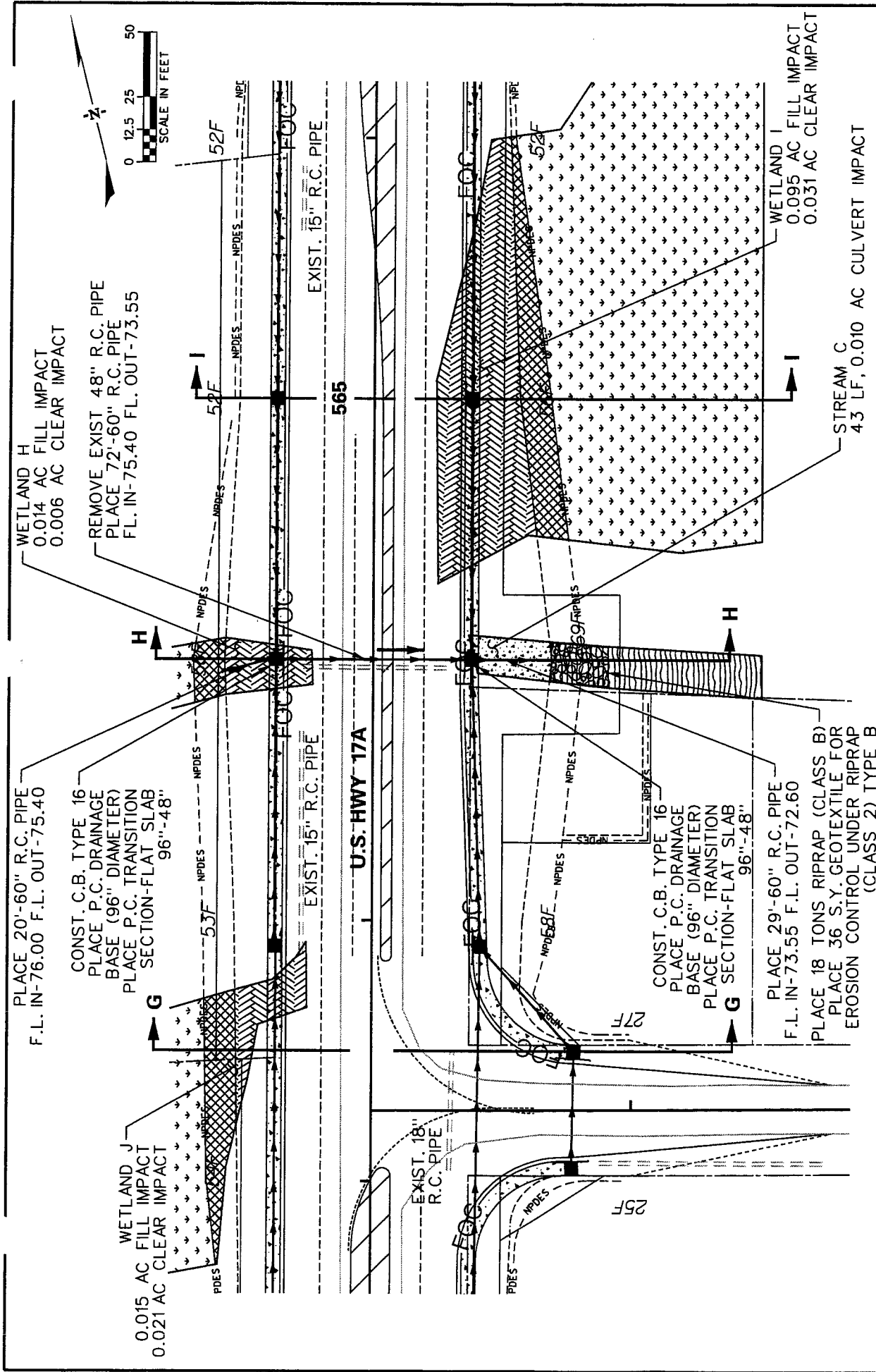
WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section F-F
 Project Title: SCDOT US 17A Roadway Improvements Project
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 SCDOT Pin: 32502
 Location: Berkeley County, SC
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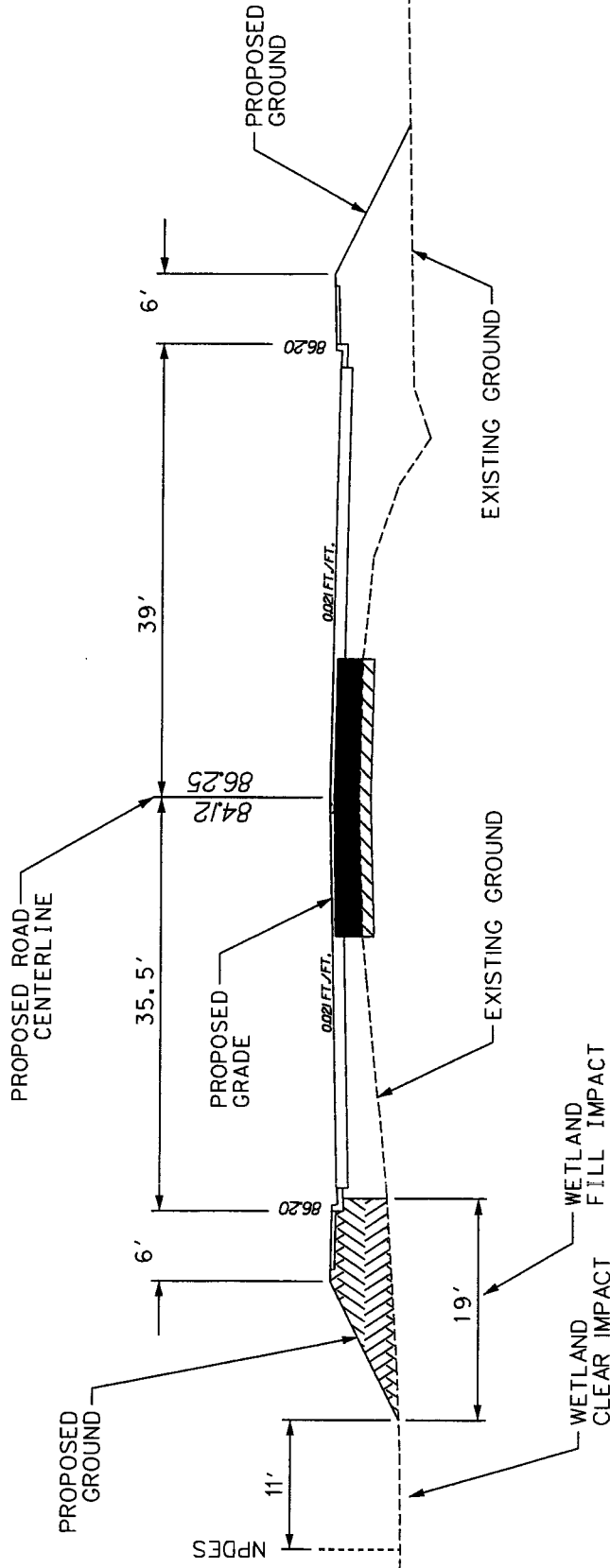


MACTEC
 270 GASTON ROAD
 COLUMBIA, SOUTH CAROLINA 29210

SAC 2004-2342-DIE



LEGEND JURISDICTIONAL WETLANDS EXISTING ROW NPDES LINE CONSTRUCTION LIMITS PROPOSED ROW WATERS OF THE U.S.	Overall Wetlands Map - Proposed Impacts Project Title: SCDOT US 17A Roadway Improvements Project Applicant: S.C. Department of Transportation SCDOT Pin: 32502 Location: Berkeley County, SC Date: December 31, 2009 Permit Number: Sheet: 19 of 62	WETLAND J ₁ , H ₁ , I ₁ FILL IMPACT (1.7- 0.124 AC) WETLAND J ₁ , H ₁ , I ₁ CLEAR IMPACT (1.7- 0.058 AC) STREAM C CULVERT IMPACT (1.7- 4.3 LF (0.010 AC))
SCDOT South Carolina Department of Transportation 1700 ROUTE 17 COLUMBIA, SOUTH CAROLINA 29210	MACTEC 1700 ROUTE 17 COLUMBIA, SOUTH CAROLINA 29210 SAC 2004-2342-D12	



SECTION G-G U.S. HWY 17A STA 562+50



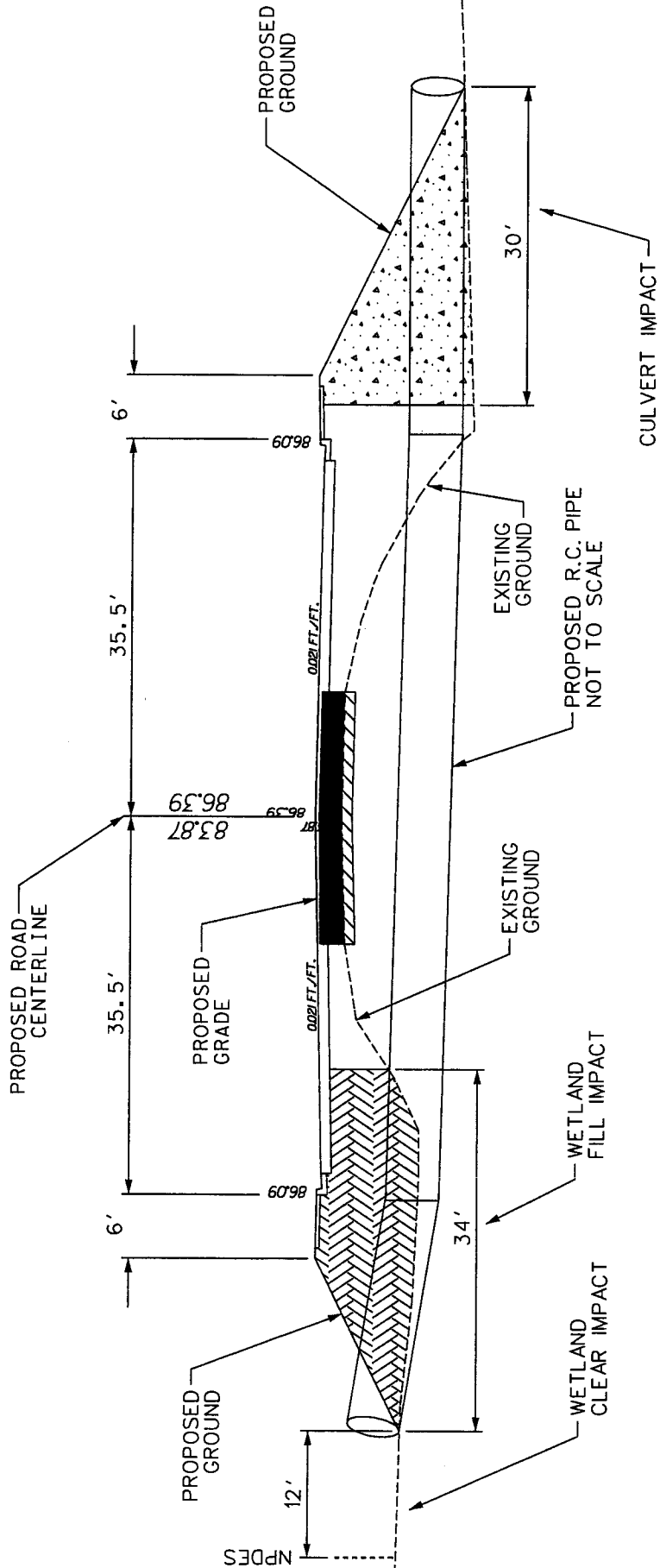
LEGEND
WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section G-G
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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MACTEC
 7750 S. 10th Ave.
 Columbia, SC 29210
 (803) 745-1000

SAC 2006-2342-D12



SECTION H-H U.S. HWY 17A STA 564+00

LEGEND

WETLANDS FILL IMPACT

STREAM CULVERT IMPACT

Waters of the U.S. / Wetlands Cross-Section H-H

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

Sheet: 21 of 62

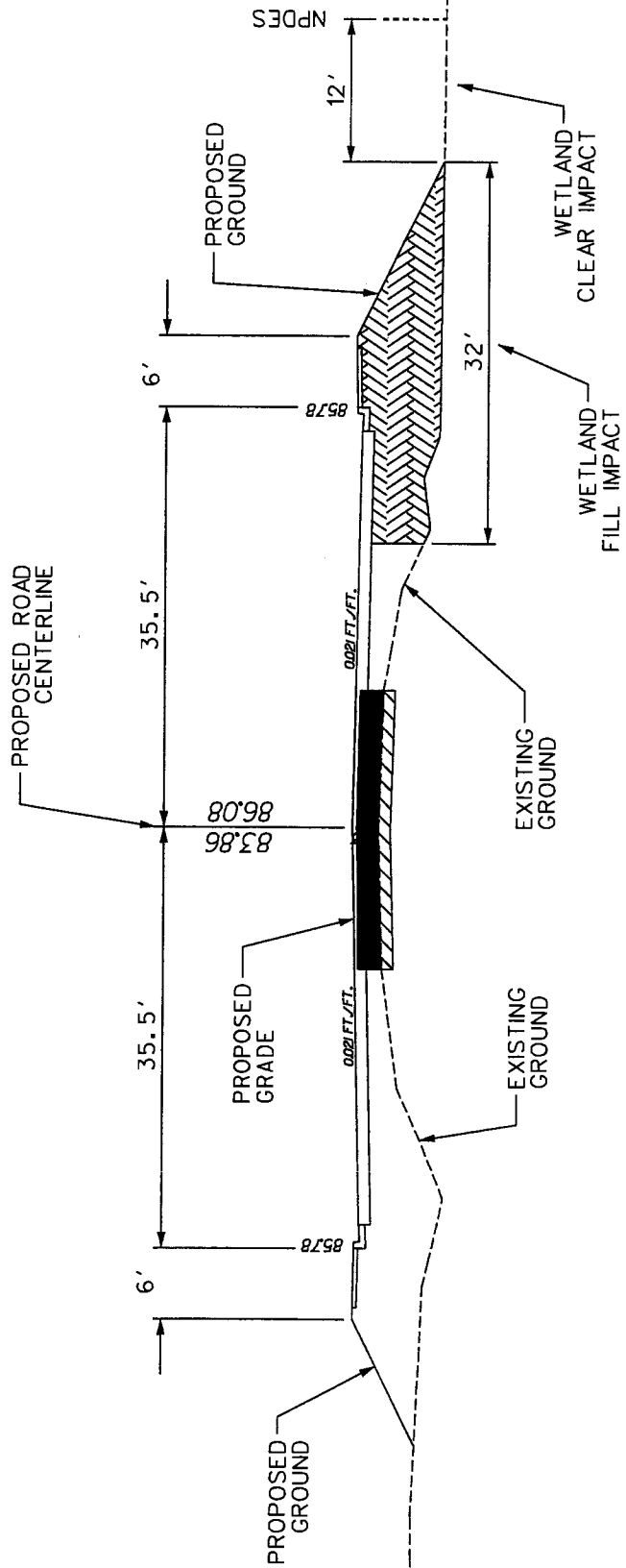


MACTEC

720 GILKINS ROAD

COLUMBIA, SC 29204

SAC 2006-2342-D1E



SECTION I-I US 17A STA 565+00



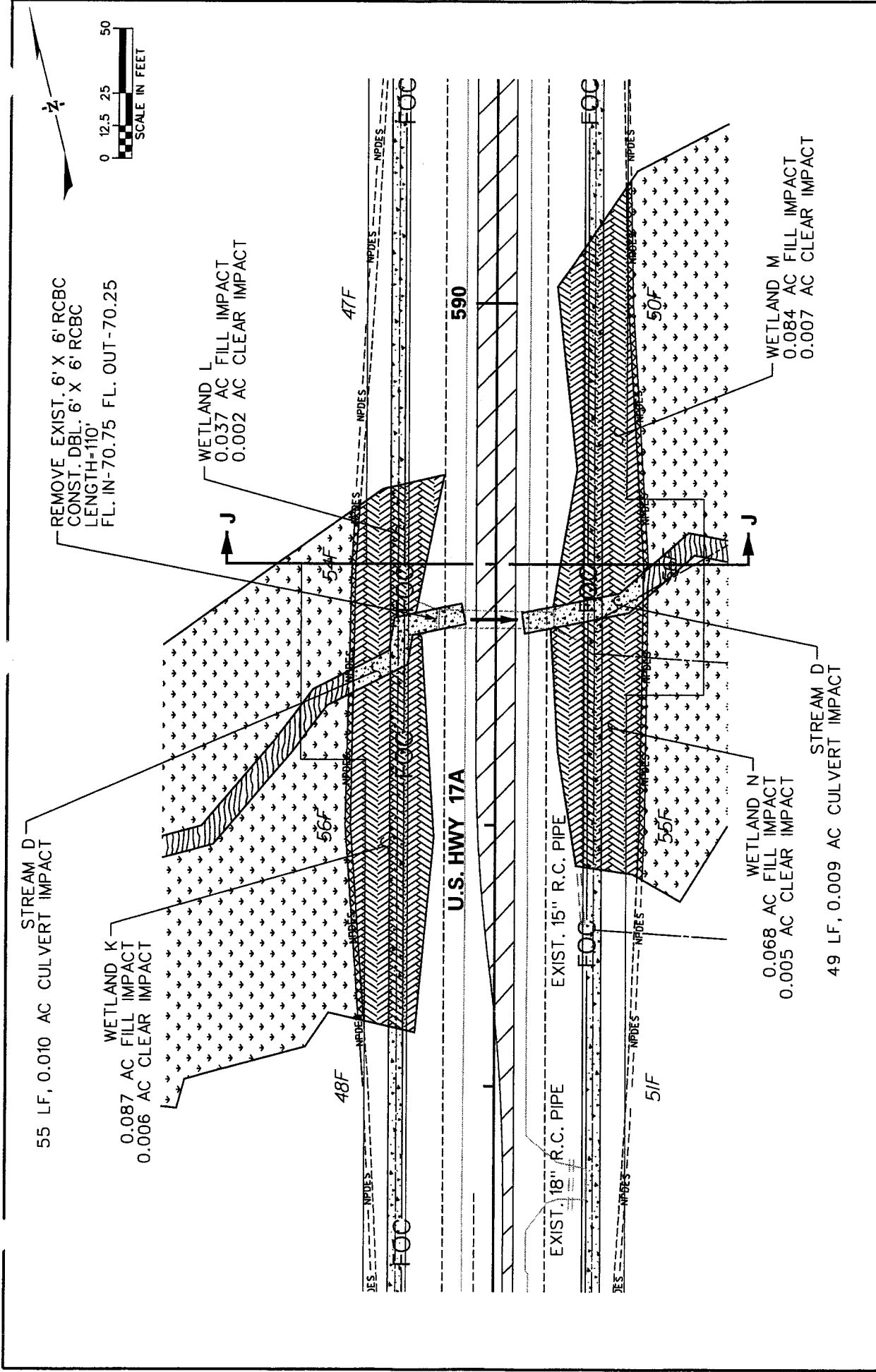
LEGEND
WETLANDS FILL IMPACT



Waters of the U.S. / Wetlands Cross-Section I-I
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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MACTEC
 2740 S. 10th Ave.
 Columbia, SC 29204

SAC 2004-2342-D12



South Carolina Department of Transportation

7740 RIVERSIDE BLVD
COLUMBIA, SC 29201

Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

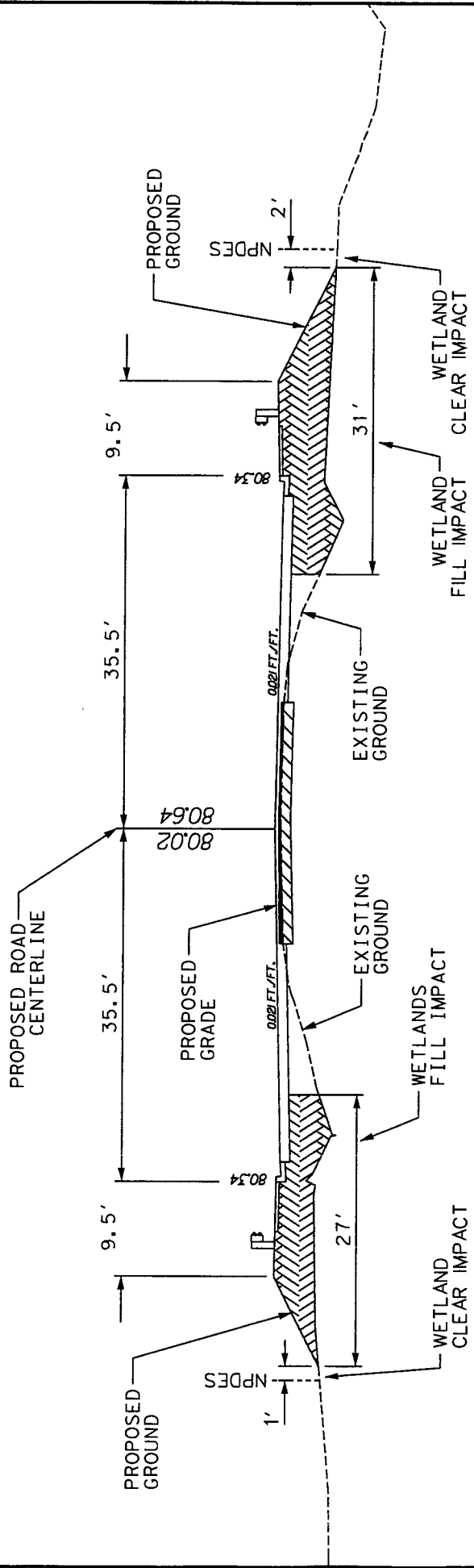
Permit Number:

Sheet: 23 of 62

LEGEND

	JURISDICTIONAL WETLANDS		WETLAND K-N FILL IMPACT (+/- 0.276 AC)
	EXISTING ROW		WETLAND K-N CLEAR IMPACT (+/- 0.020 AC)
	NPDES LINE		STREAM D CULVERT IMPACT (+/- 104 LF (0.019 AC))
	CONSTRUCTION LIMITS		
	PROPOSED ROW		
	WATERS OF THE U.S.		

SAC 2004-2342-D12



SECTION J-J US HWY 17A STA 589+00



LEGEND

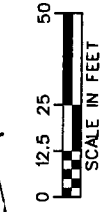
WETLANDS FILL IMPACT



Waters of the U.S. / Wetlands Cross-Section J-J
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
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MACTEC
170 SOUTH MAIN
COLUMBIA, SOUTH CAROLINA 29201
(803) 798-0500

SAT 2006-2342-D12



WETLAND 0
0.002 AC FILL IMPACT
0.0007 AC CLEAR IMPACT

K

CONST. C.B. TYPE 16

PLACE 11'-30" R.C. PIPE
FL.IN-82.60 FL.OUT-82.30

49F

49F

46F

46F

EXIST. 15" R.C. PIPE

EXIST. 24" R.C. PIPE

EXIST. 18" R.C. PIPE

EXIST. 15" R.C. PIPE

610

U.S. HWY 17A

EXIST. 18" R.C. PIPE

EXIST. 15" R.C. PIPE

EXIST. 15" R.C. PIPE

46F

48F

46F

44F

44F

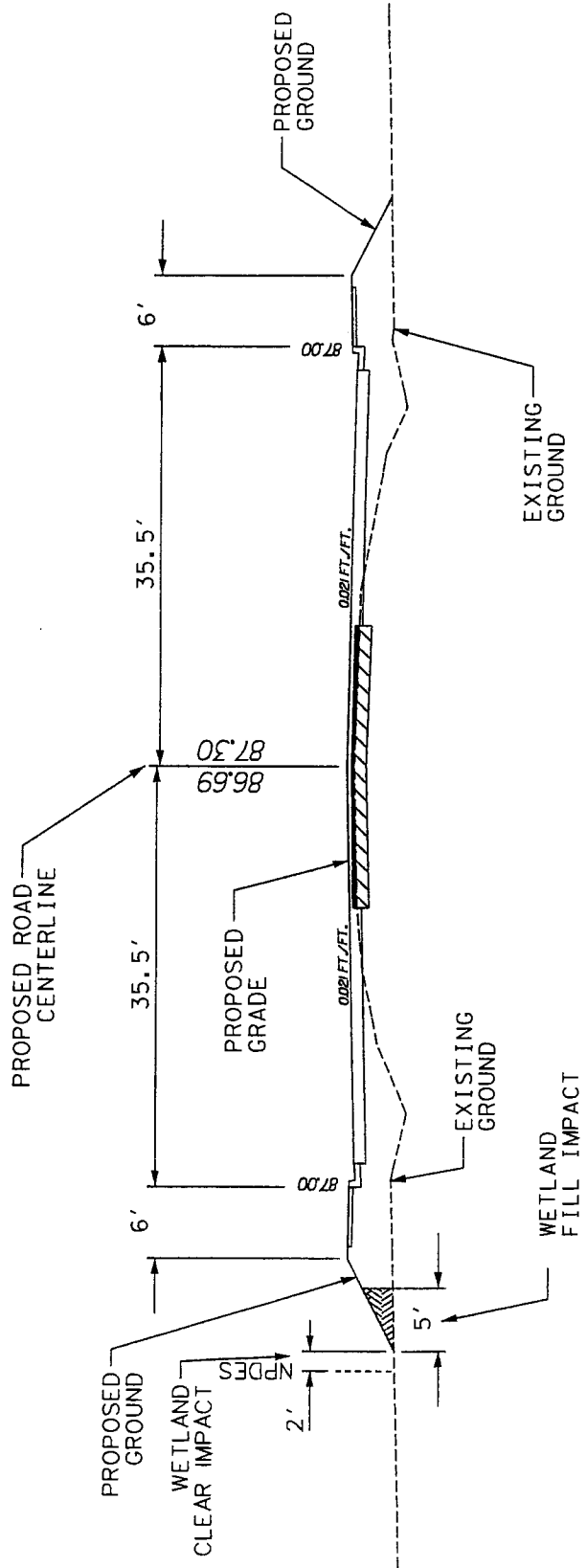
PLACE 10'-30" R.C. PIPE
FL.IN-81.45 FL.OUT-81.30

REMOVE 24" R.C. PIPE
PLACE 72'-30" R.C. PIPE
FL.IN-81.70 FL.OUT-81.45

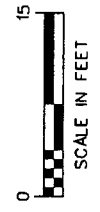
CONST. C.B. TYPE 16

PLACE 8 TONS RIPRAP (CLASS B)
PLACE 18 S.Y. GEOTEXTILE FOR
EROSION CONTROL UNDER RIPRAP
(CLASS 2) TYPE B

<p>LEGEND</p> <p>JURISDICTIONAL WETLANDS 0 FILL IMPACT (+/- 0.002 AC)</p> <p>WETLANDS 0 CLEAR IMPACT (+/- 0.0007 AC)</p> <p>EXISTING ROW</p> <p>NPDES LINE</p> <p>CONSTRUCTION LIMITS</p> <p>PROPOSED ROW</p>		<p>SCDOT</p> <p>South Carolina Department of Transportation</p> <p>MACTEC</p> <p>720 GUILFORD ROAD SUITE 100 COLUMBIA, SOUTH CAROLINA 29210 803.748.1000</p>
<p>Overall Wetlands Map - Proposed Impacts</p> <p>Project Title: SCDOT US 17A Roadway Improvements Project</p> <p>Applicant: S.C. Department of Transportation</p> <p>SCDOT Pin: 32502</p> <p>Location: Berkeley County, SC</p> <p>Date: December 31, 2009</p> <p>Permit Number:</p> <p>Sheet: 25 of 62</p>		
<p>SAC 2004-2342-D1E</p>		



SECTION K-K U.S. HWY 17A STA 611+50



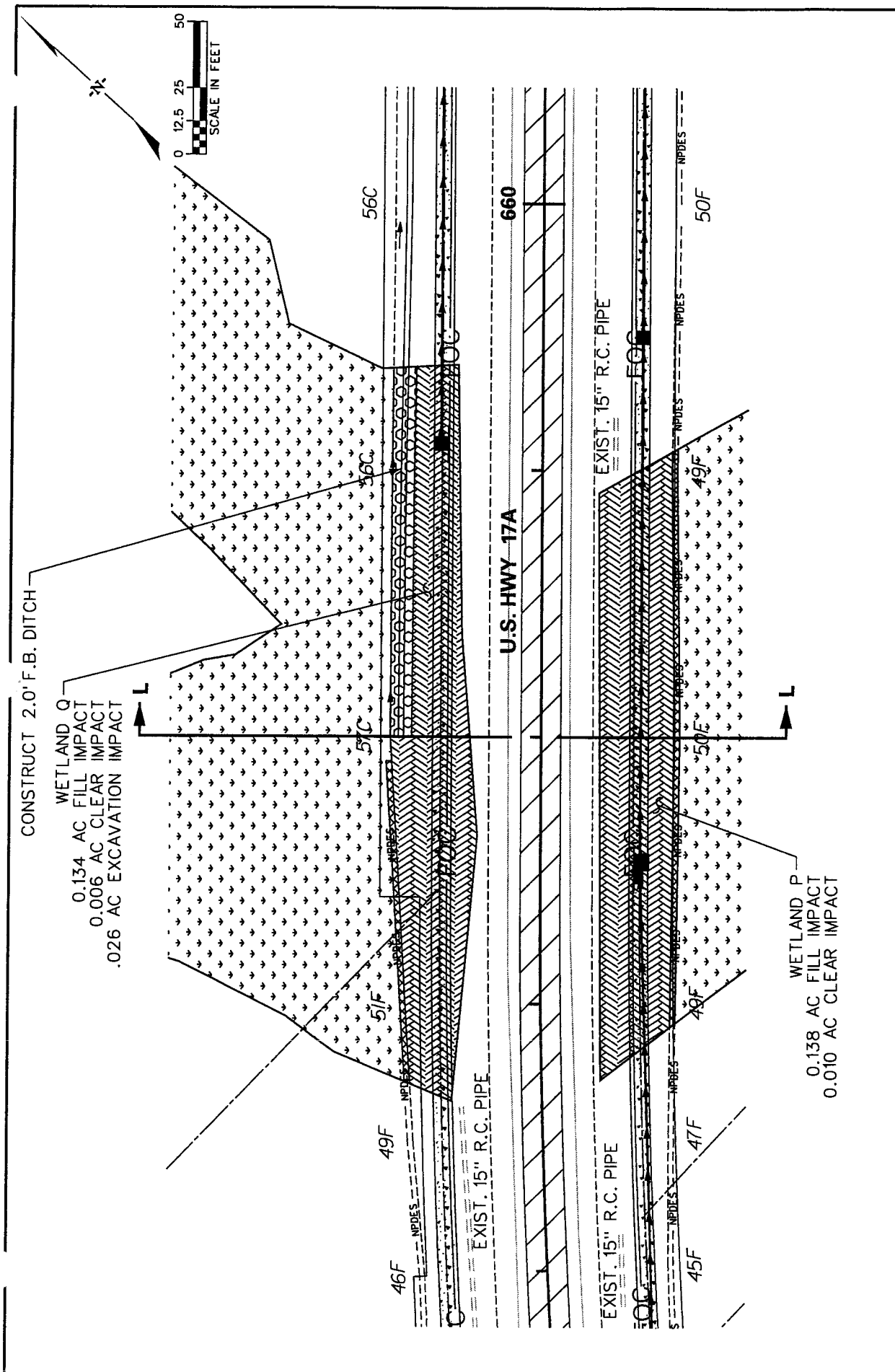
LEGEND
WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section K-K
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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MACTEC
 2700 Highway 101
 Suite 100
 Columbia, SC 29204
 803.746.1200

SAC 2009-2342-D1E



LEGEND

- JURISDICTIONAL WETLANDS
- EXISTING ROW
- NPDES LINE
- CONSTRUCTION LIMITS
- PROPOSED ROW
- WETLAND Q, P FILL IMPACT (+/- 0.272 AC)
- WETLAND Q, P CLEAR IMPACT (+/- 0.016 AC)
- WETLAND Q EXCAVATION IMPACT (+/- 0.026 AC)

SCDOT

Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

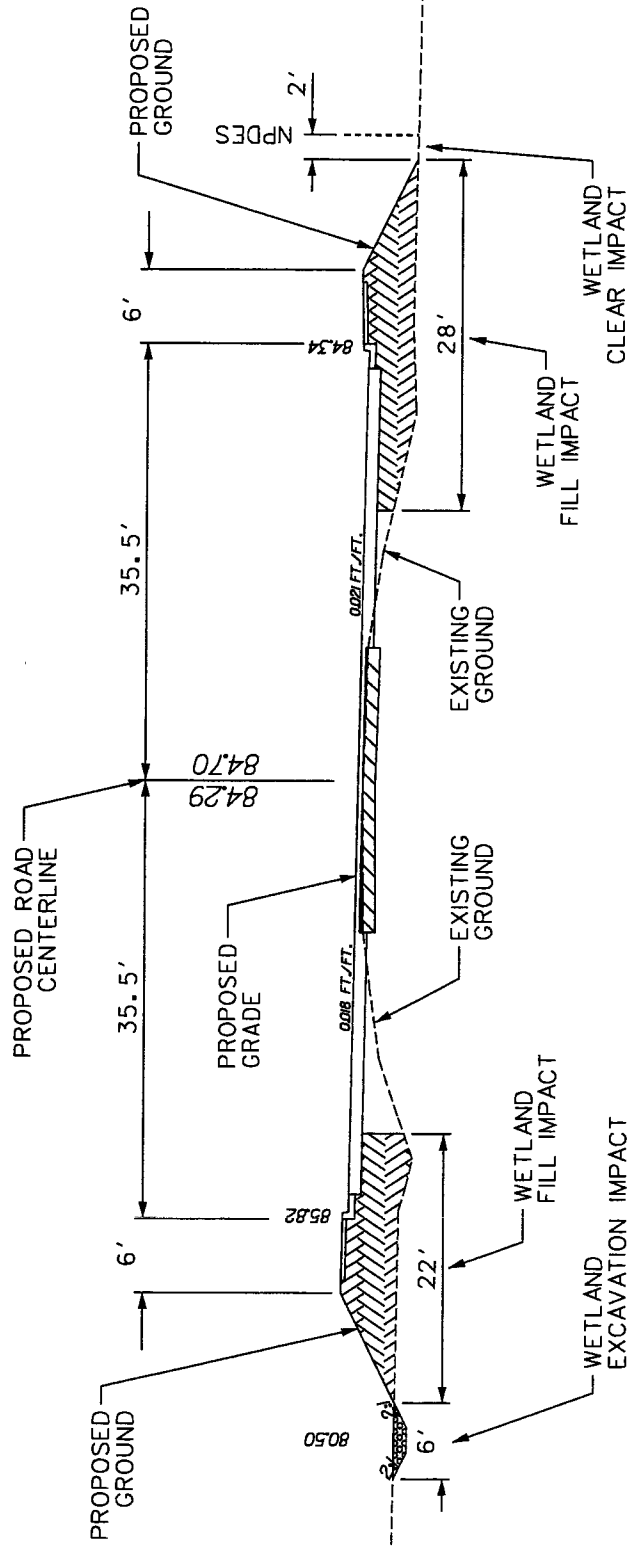
Location: Berkeley County, SC

Date: December 31, 2009

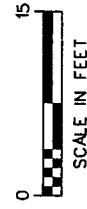
Permit Number:

Sheet: 27 of 62

SAC 2009-2342-D12



SECTION L-L U.S. HWY 17A STA 658+00



LEGEND

WETLAND FILL IMPACT

WETLAND EXCAVATION IMPACT

Waters of the U.S. / Wetlands Cross-Section L-L

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

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MACTEC

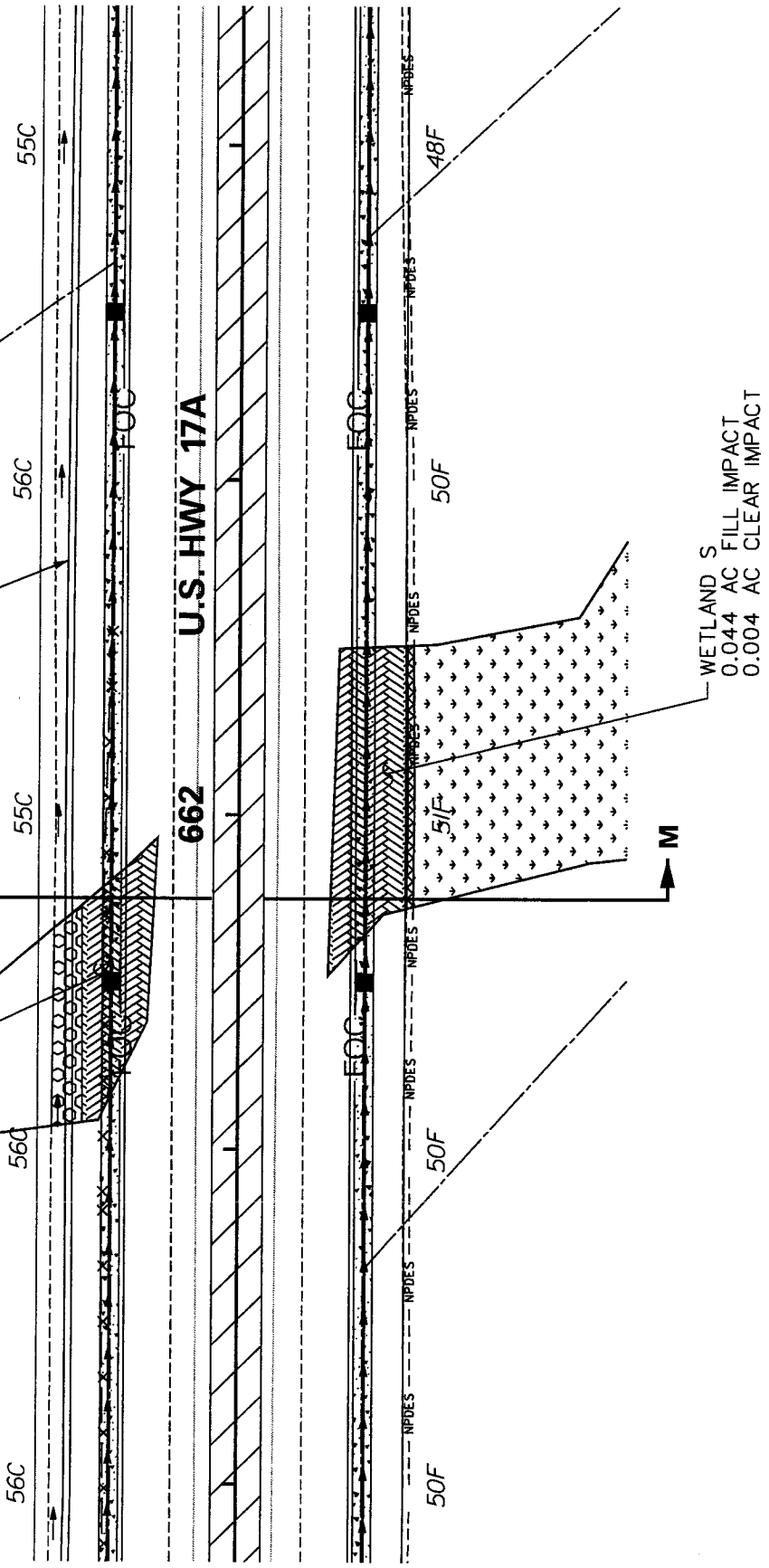
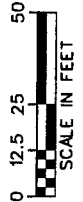
770 GILBERT ROAD
SUITE 100
COLUMBIA, SC 29204
(803) 746-1000

SAC-2006-2342-D1E

WETLAND R
0.030 AC FILL IMPACT
.012 EXCAVATION IMPACT

CONST. 2.0' F.B. DITCH

M



WETLAND S
0.044 AC FILL IMPACT
0.004 AC CLEAR IMPACT

LEGEND

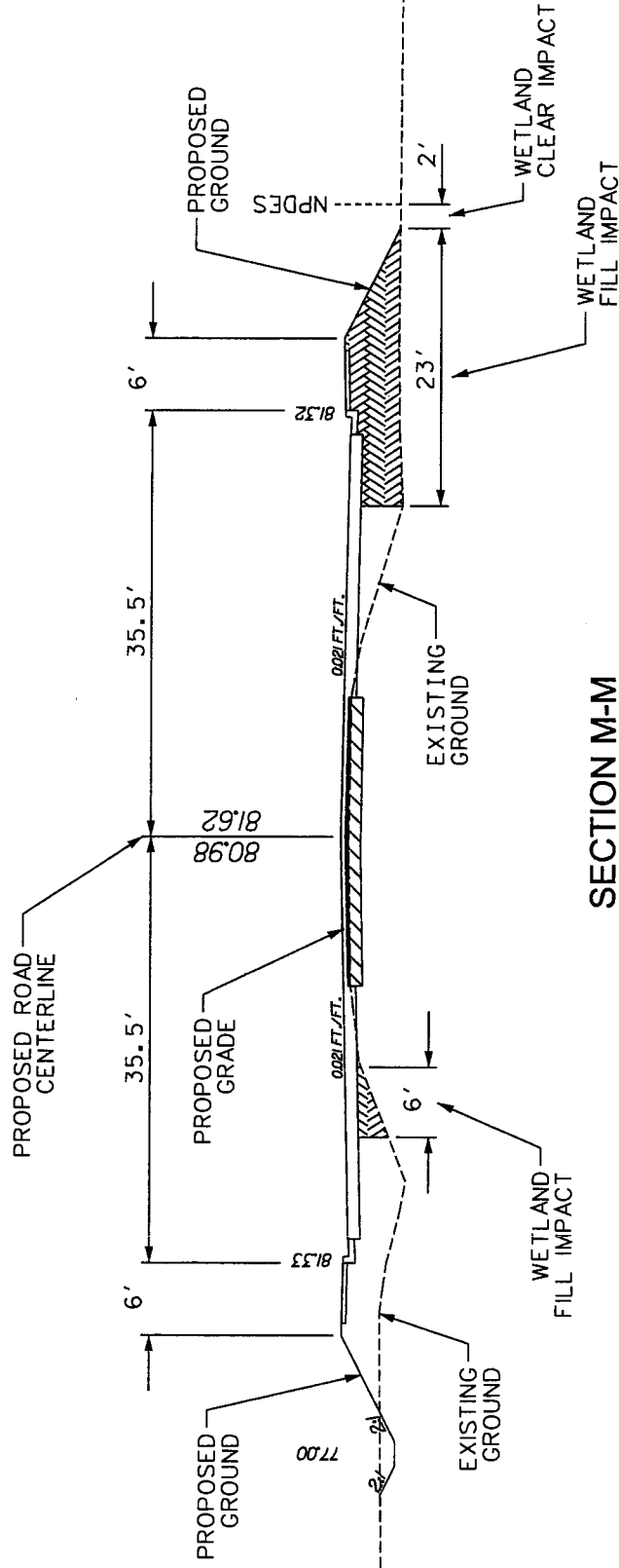
JURISDICTIONAL WETLANDS	WETLAND R, S FILL IMPACT (+/- 0.074 AC)
EXISTING ROW	WETLAND S CLEAR IMPACT (+/- 0.004 AC)
NPDES LINE	WETLAND S EXCAVATION IMPACT (+/- 0.012 AC)
CONSTRUCTION LIMITS	
PROPOSED ROW	

Overall Wetlands Map - Proposed Impacts
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
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MACTEC
770 EAST 15TH AVE
COLUMBIA, SOUTH CAROLINA 29204

SAC 2009 2342 D12



SECTION M-M US 17A STA 661+65



LEGEND

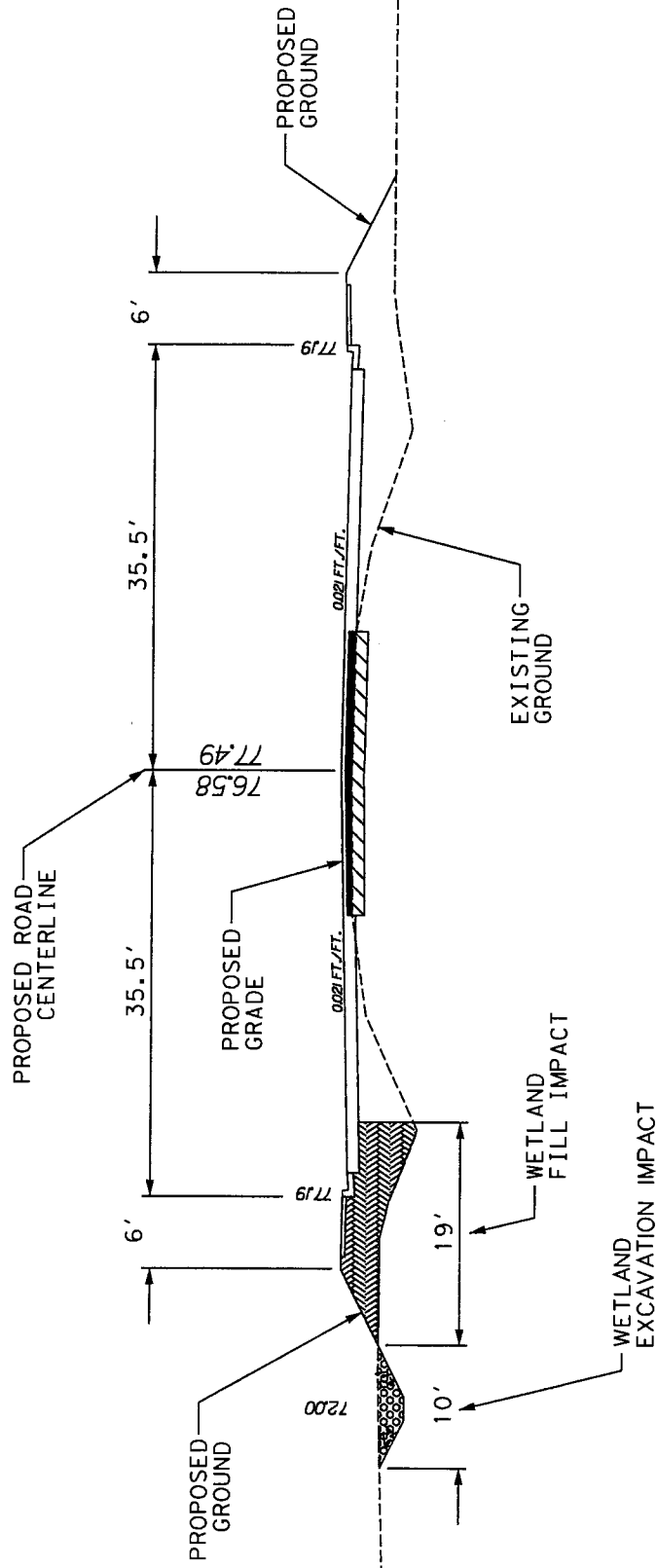
WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section M-M
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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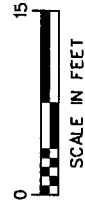


MACTEC
 720 GRAFTON ROAD
 COLUMBIA, SOUTH CAROLINA 29210

SA 2004-2342-D1E



SECTION O-O U.S. HWY 17A STA 670+00



LEGEND

WETLAND FILL IMPACT

WETLAND EXCAVATION IMPACT

Waters of the U.S. / Wetlands Cross-Section O-O

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

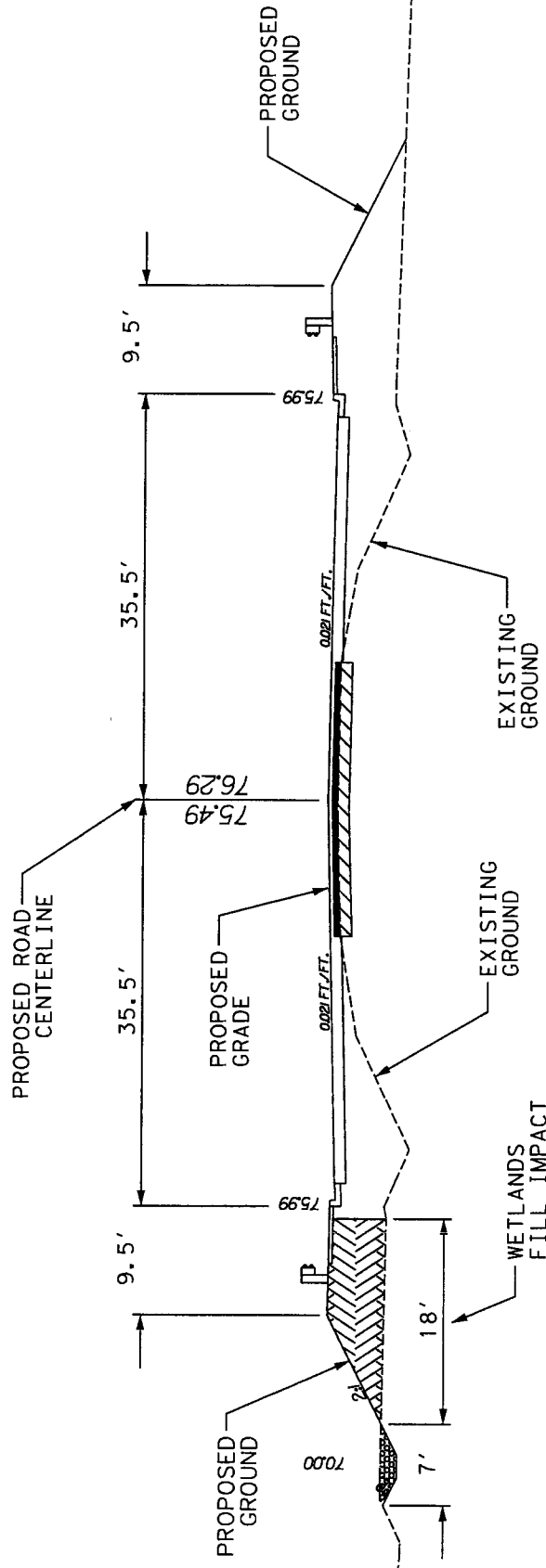
Sheet: 34 of 62



MACTEC

200 GALTHER ROAD
SUITE 300
COLUMBIA, SC 29204

SAC 2009-2342-D12



SECTION P-P U.S. HWY 17A STA 674+00



LEGEND

WETLAND FILL IMPACT

WETLAND EXCAVATION IMPACT

Waters of the U.S. / Wetlands Cross-Section P-P

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

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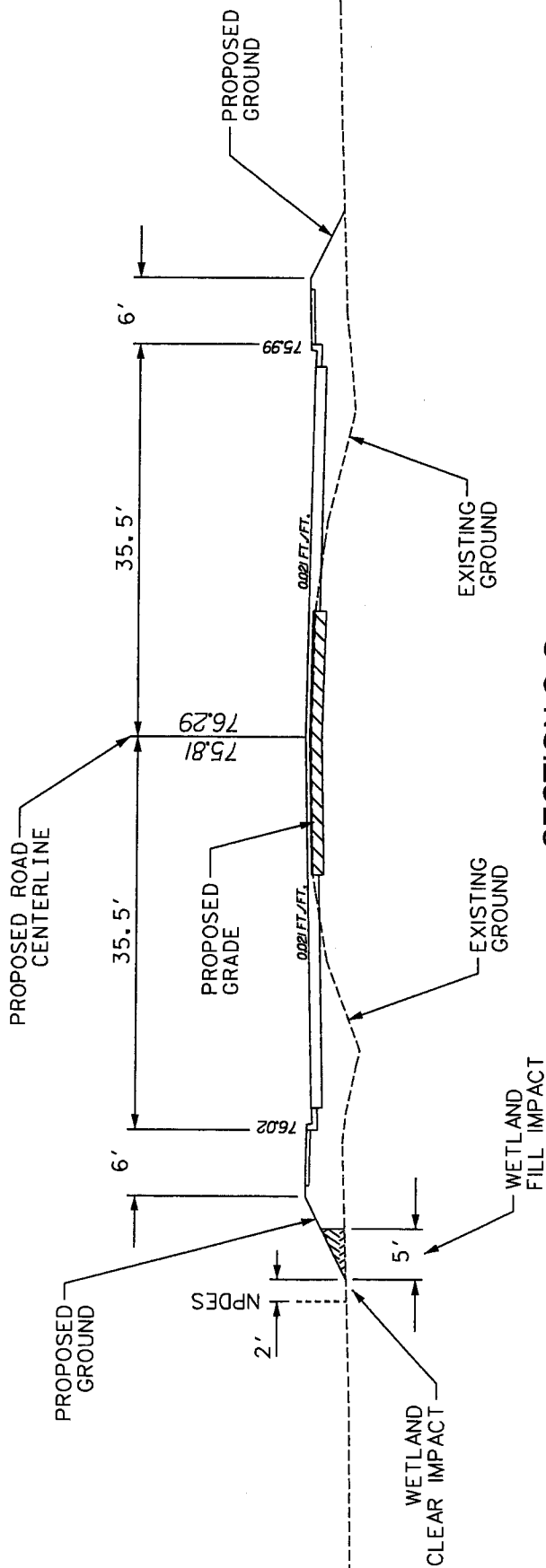
SCDOT

South Carolina Department of Transportation

MACTEC

7700 S. 10th Ave.
Suite 100
Columbus, GA 31906-4000

SAC 2006-2342-D1E



SECTION Q-Q U.S. HWY 17A STA 678+00



LEGEND

WETLANDS FILL IMPACT

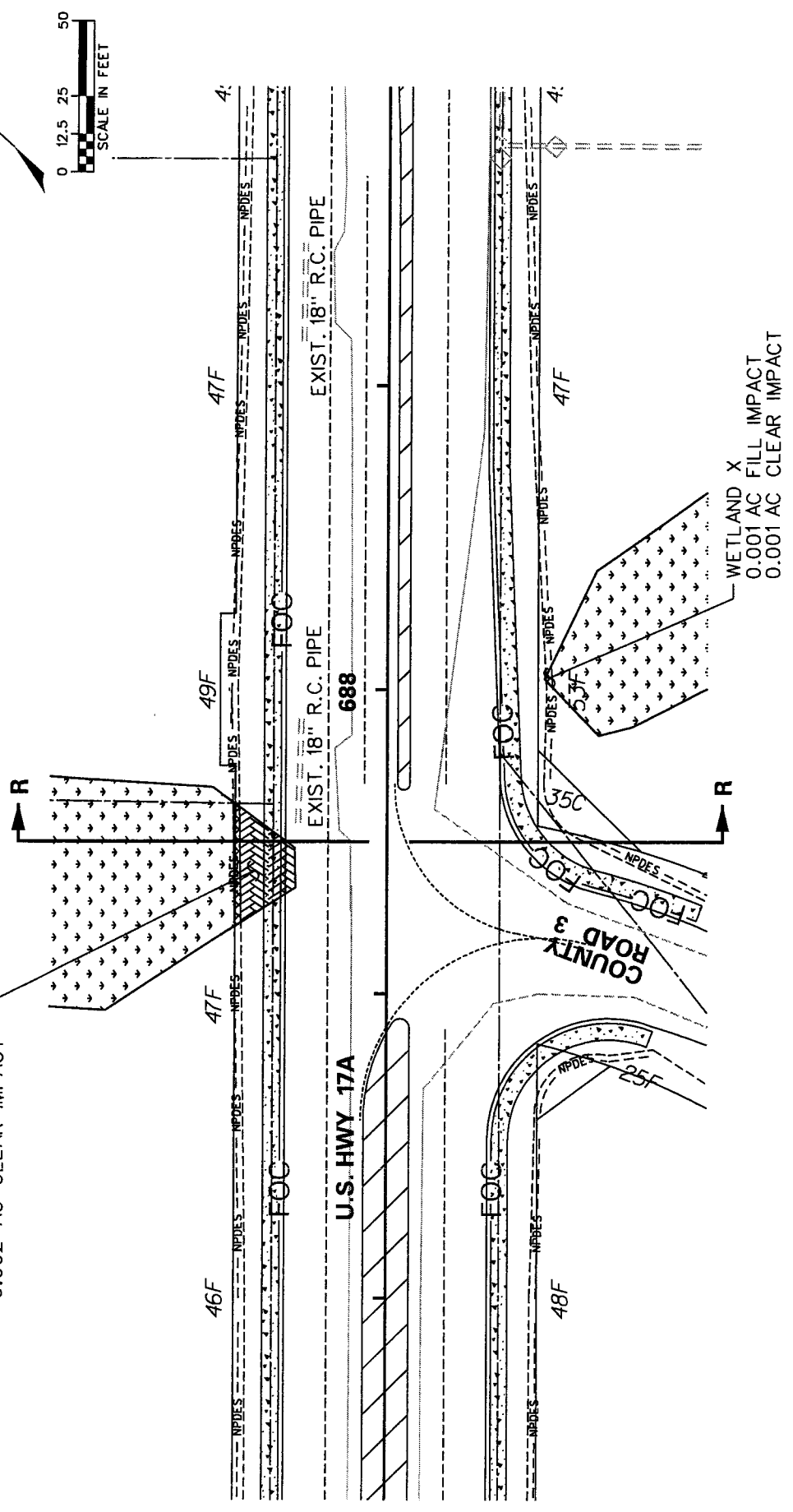
Waters of the U.S. / Wetlands Cross-Section Q-Q
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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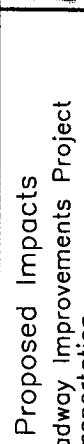


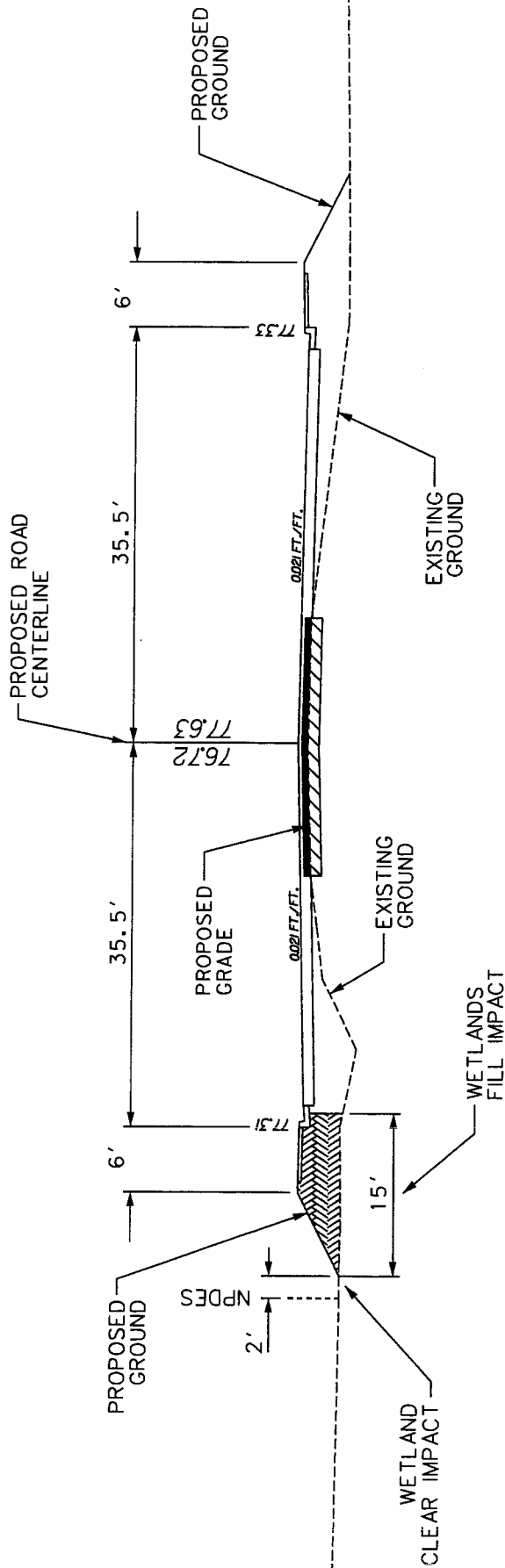
MACTEC
 700 S. GUYTON ROAD
 COLUMBIA, SC 29204
 803.746.1200

SAR 2009-2342-D2

WETLAND Y
0.011 AC FILL IMPACT
0.002 AC CLEAR IMPACT



 <p>South Carolina Department of Transportation</p>	 <p>MACTEC 720 EAST 15th AVE COLUMBIA, SC 29201</p>
<p>Overall Wetlands Map - Proposed Impacts</p> <p>Project Title: SCDOT US 17A Roadway Improvements Project Applicant: S.C. Department of Transportation SCDOT Pin: 32502 Location: Berkeley County, SC Date: December 31, 2009 Permit Number: Sheet: 38 of 62</p>	
<p>LEGEND</p> <ul style="list-style-type: none"> JURISDICTIONAL WETLANDS EXISTING ROW NPDES LINE CONSTRUCTION LIMITS PROPOSED ROW WETLAND Y, X FILL IMPACT (---) WETLAND Y, X CLEAR IMPACT (---) 	<p>SA 2009-2342-012</p>



SECTION R-R US 17A STA 687+50



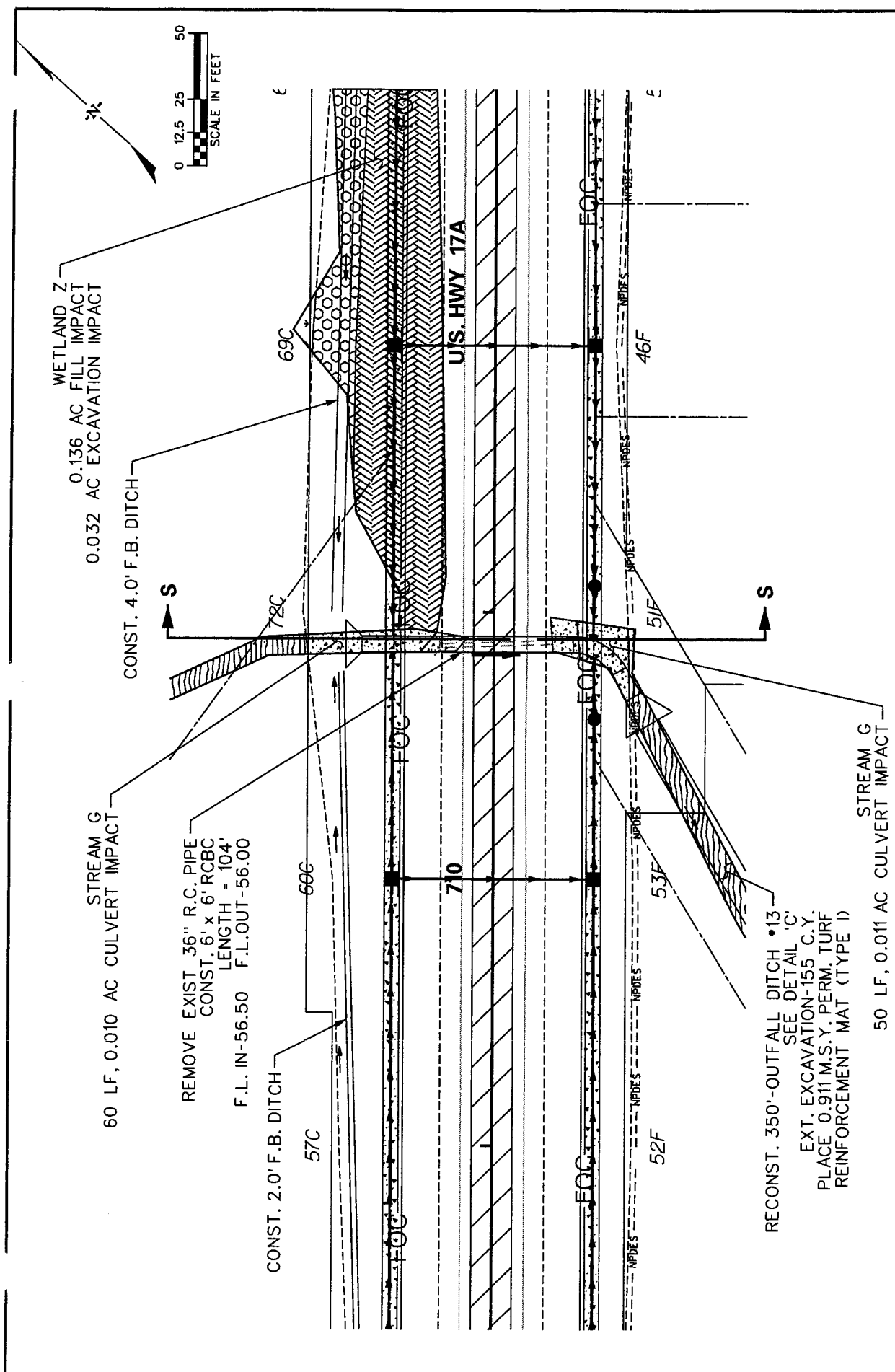
LEGEND
WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section R-R
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
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MACTEC
770 GULFVIEW ROAD
COLUMBIA, SOUTH CAROLINA 29204
803.746.1200

SAZ 2006 2342 DIC



LEGEND

- JURISDICTIONAL WETLANDS
- EXISTING ROW
- NPDES LINE
- CONSTRUCTION LIMITS
- PROPOSED ROW
- WATERS OF THE U.S.

WETLAND Z FILL IMPACT (±/- 0.136 AC)

WETLAND Z EXCAVATION IMPACT (±/- 0.032 AC)

STREAM G CULVERT IMPACT (±/- 110 LF (0.021 AC))

Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

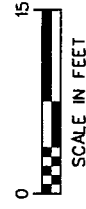
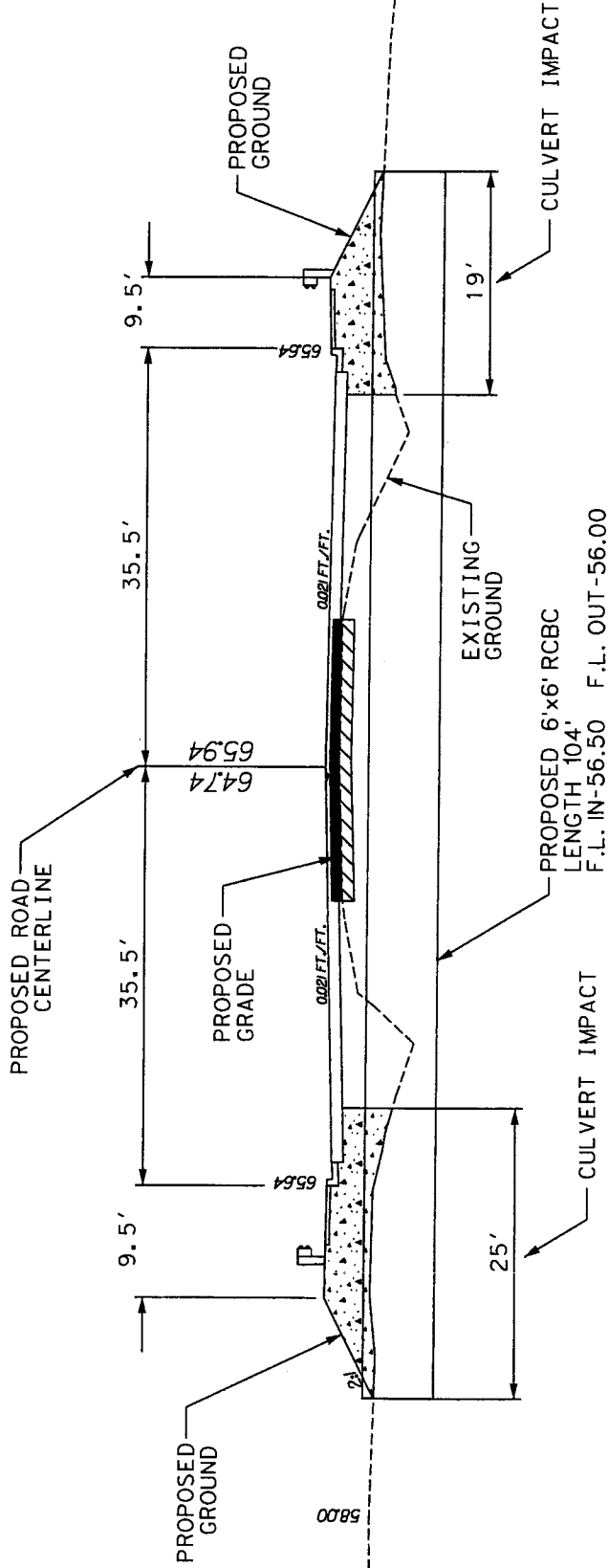
Sheet: 40 of 62

SCDOT

MACTEC

770 GUILDFORD ROAD
COLUMBIA, SOUTH CAROLINA 29210
803.746.1000

SAC 2009-2342-D12



SECTION S-S U.S. HWY 17A STA 710+90

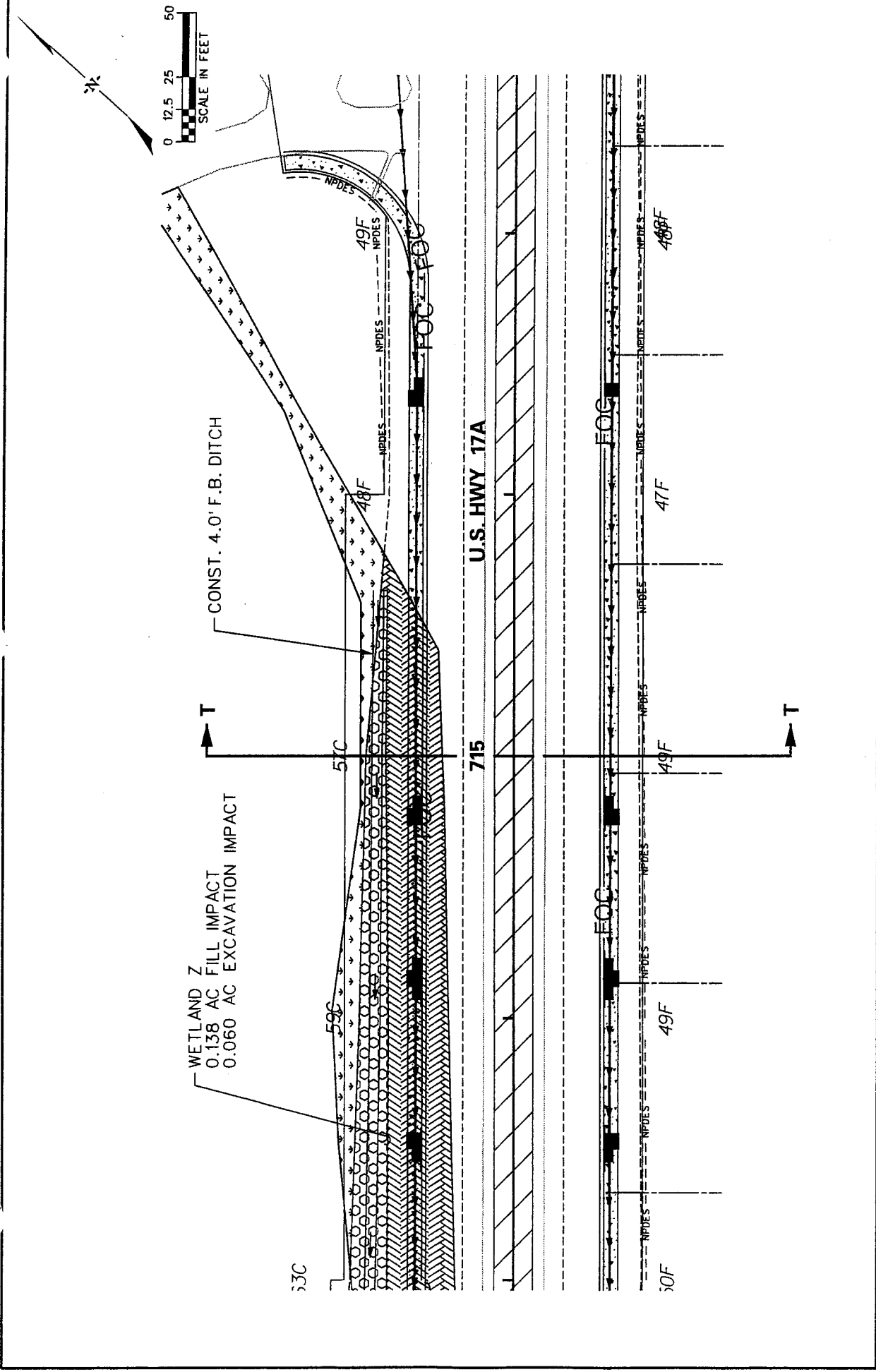
LEGEND
CULVERT IMPACT



Waters of the U.S. / Wetlands Cross-Section S-S
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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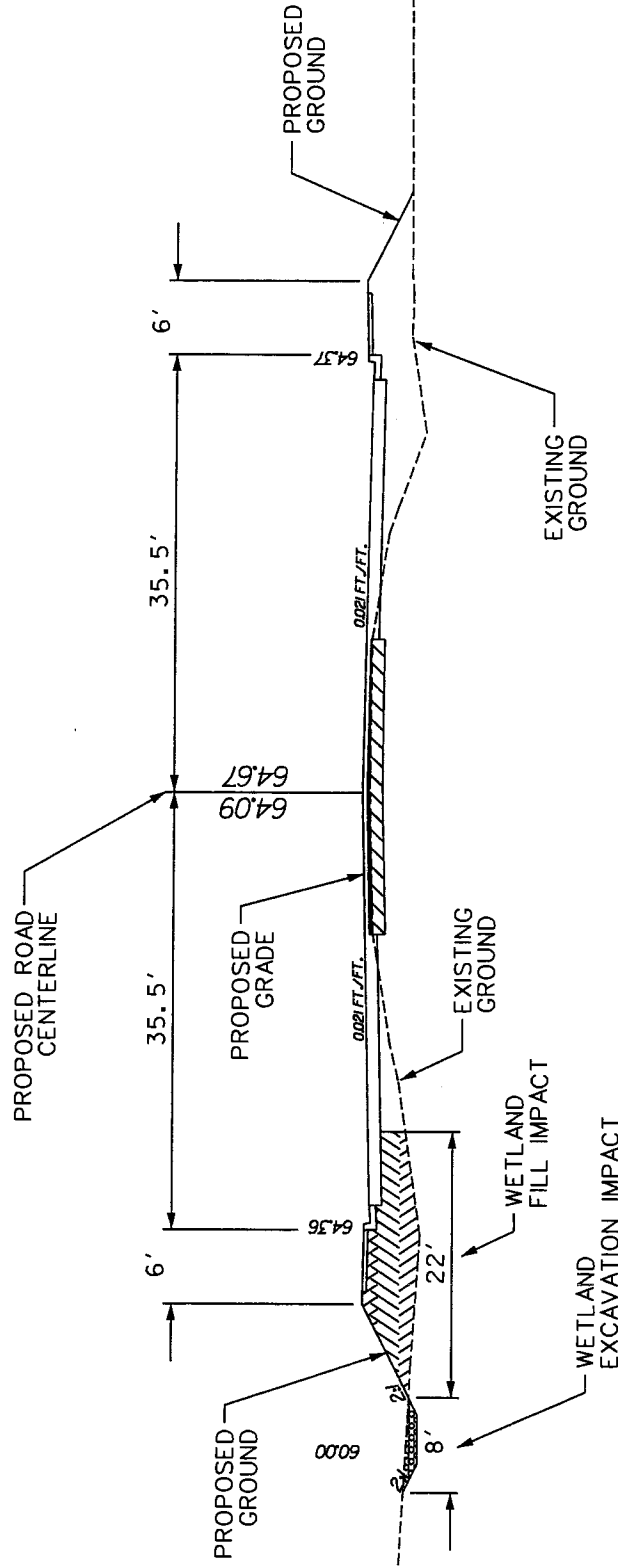


MACTEC
 700 S. GUYTON ROAD
 SUITE 100
 COLUMBIA, SOUTH CAROLINA 29204
 803.746.1200

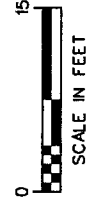
SAC 2009-2342-DK



 <p>South Carolina Department of Transportation</p>  <p>720 BANCROFT ROAD COLUMBIA, SOUTH CAROLINA 29210</p>	<p>Overall Wetlands Map – Proposed Impacts</p> <p>Project Title: SCDOT US 17A Roadway Improvements Project</p> <p>Applicant: S.C. Department of Transportation</p> <p>SCDOT Pin: 32502</p> <p>Location: Berkeley County, SC</p> <p>Date: December 31, 2009</p> <p>Permit Number:</p> <p>Sheet: 42 of 62</p> <p style="text-align: right;">SA 2006-2842-D12</p>	<p>LEGEND</p> <p>JURISDICTIONAL WETLANDS</p> <p>EXISTING ROW</p> <p>NPDES LINE</p> <p>CONSTRUCTION LIMITS</p> <p>PROPOSED ROW</p> <p>WETLAND Z FILL IMPACT (+/- 0.138 AC)</p> <p>WETLAND Z EXCAVATION IMPACT (+/- 0.060 AC)</p>
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SECTION T-T U.S. HWY 17A STA 715+00



LEGEND

WETLAND FILL IMPACT

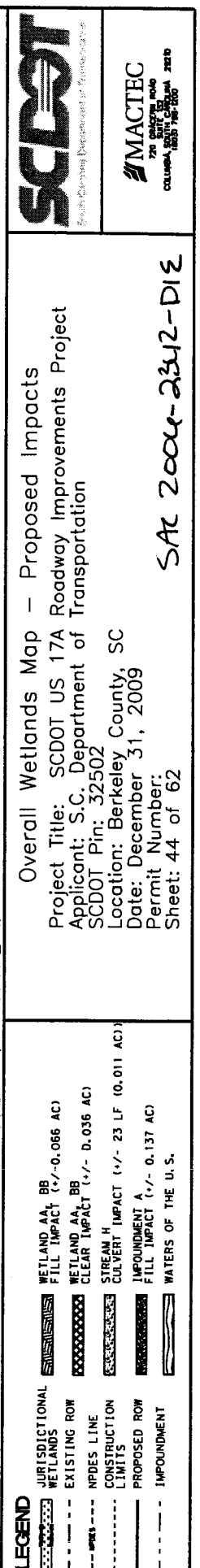
WETLAND EXCAVATION IMPACT

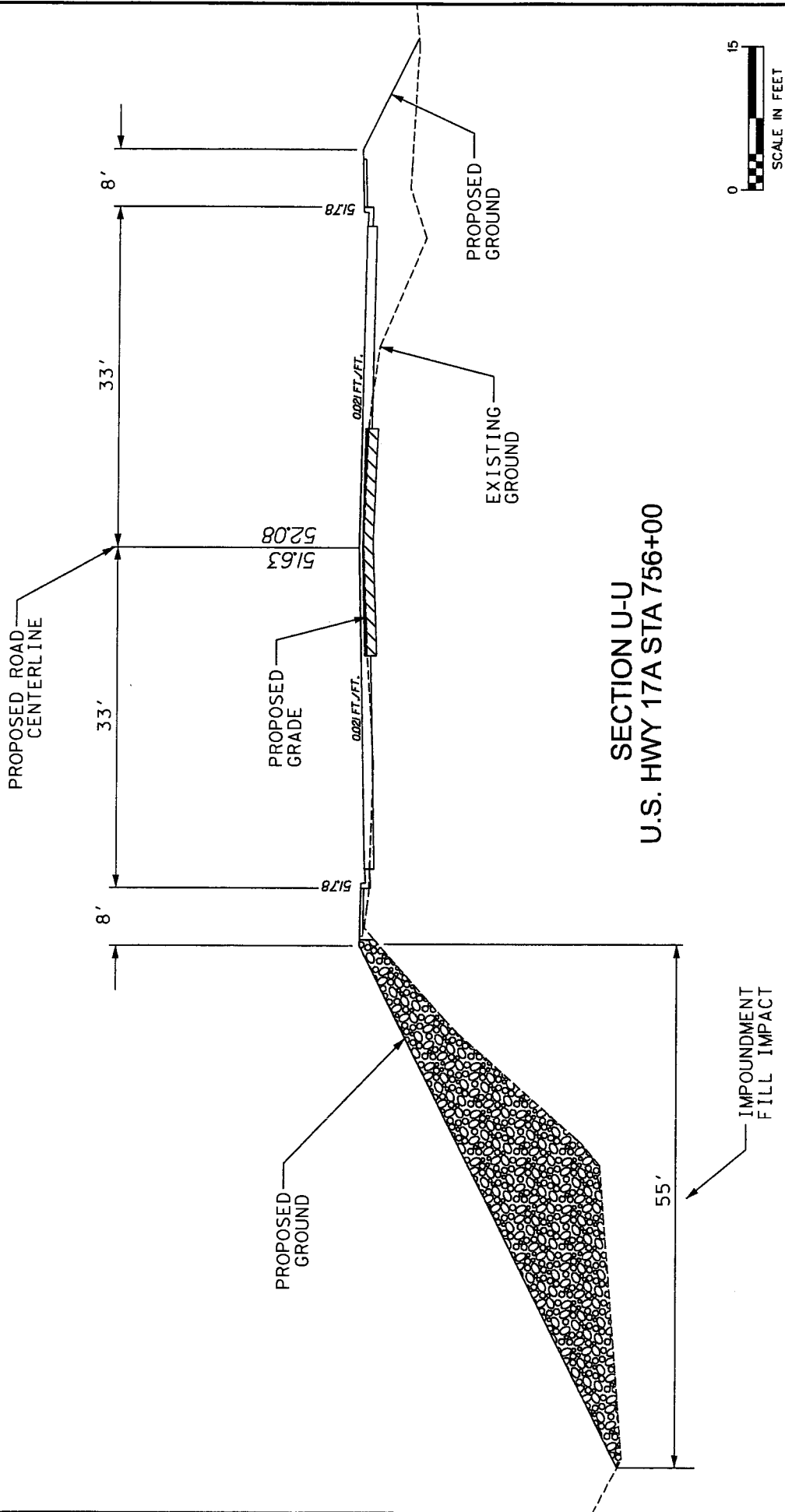
Waters of the U.S. / Wetlands Cross-Section T-T
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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MACTEC
 770 GILKINS ROAD
 SUITE 100
 COLUMBIA, SC 29204
 803.746.1200

SAR 2006-2342-D12





LEGEND

IMPOUNDMENT FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section V-V

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

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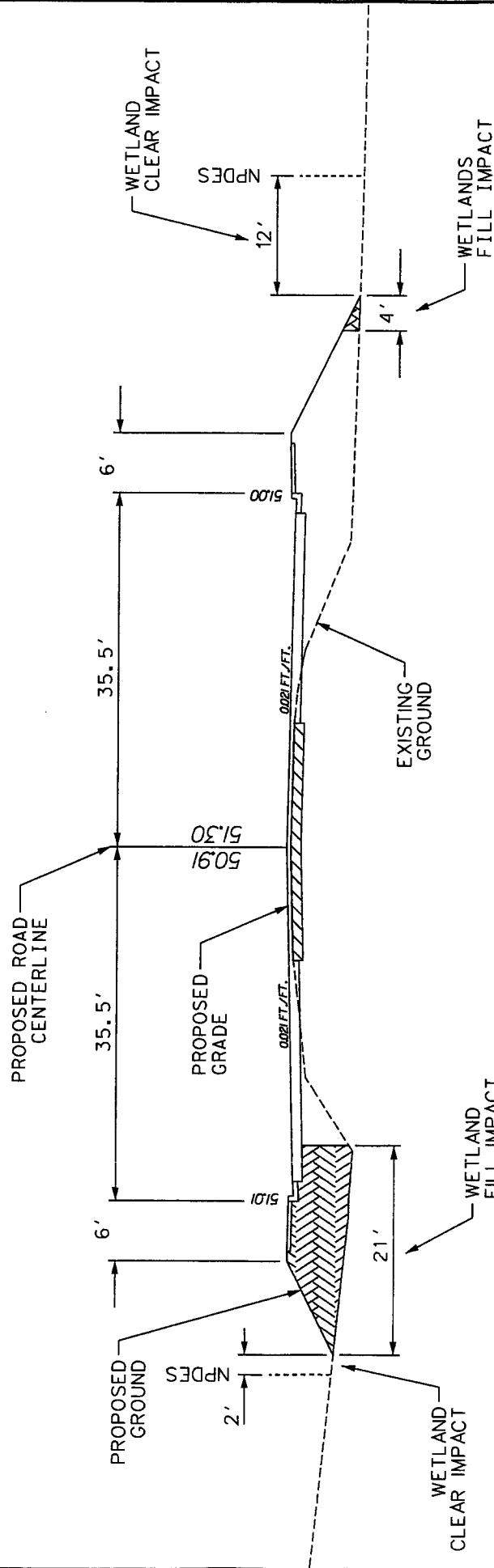


MACTEC

720 GILBERT ROAD

COLLEGE PARK, MD 20740

SAR 2009-2342-D13



SECTION V-V U.S. HWY 17A STA 758+00

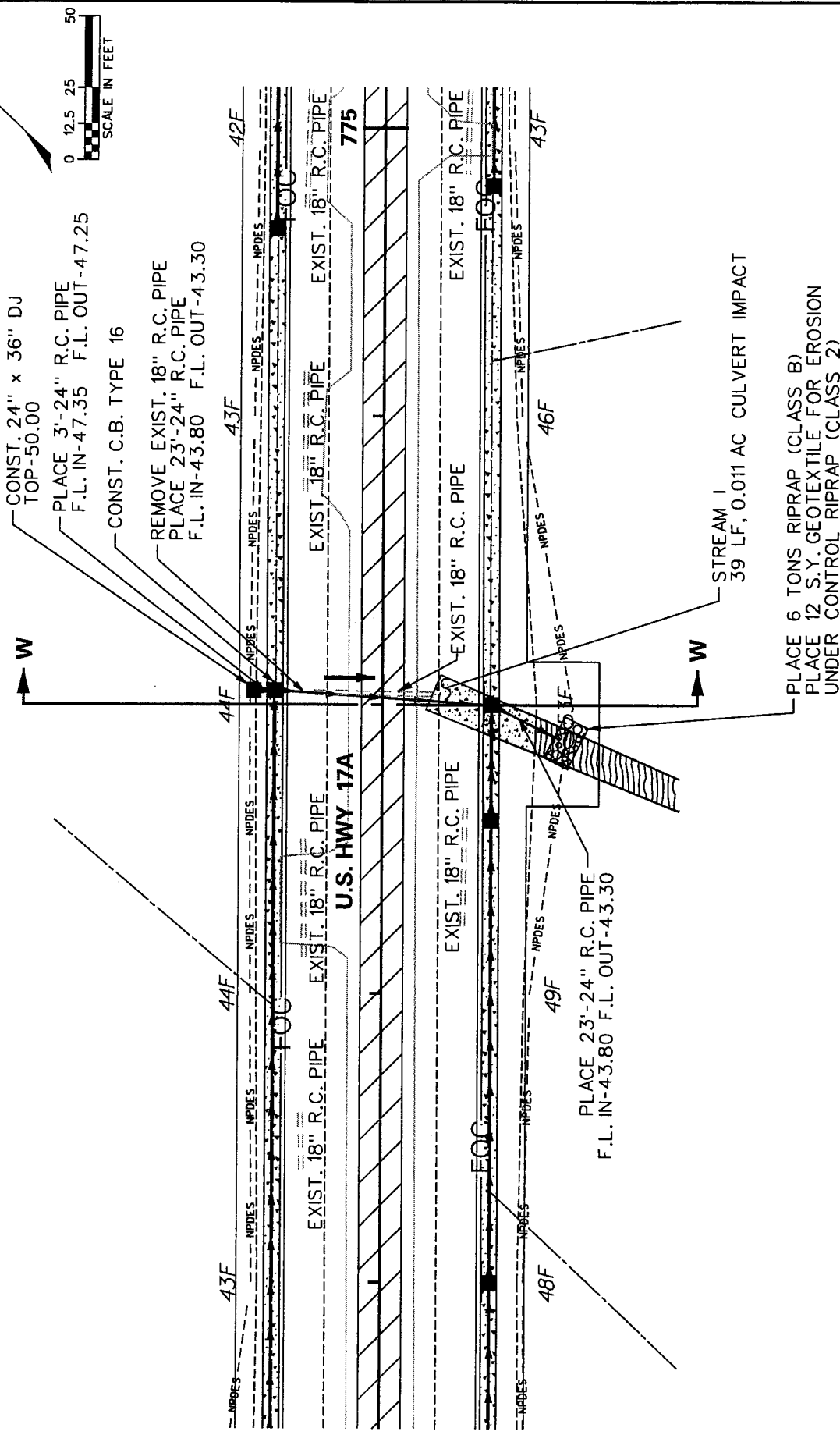
LEGEND
WETLANDS FILL IMPACT



Waters of the U.S. / Wetlands Cross-Section V-V
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
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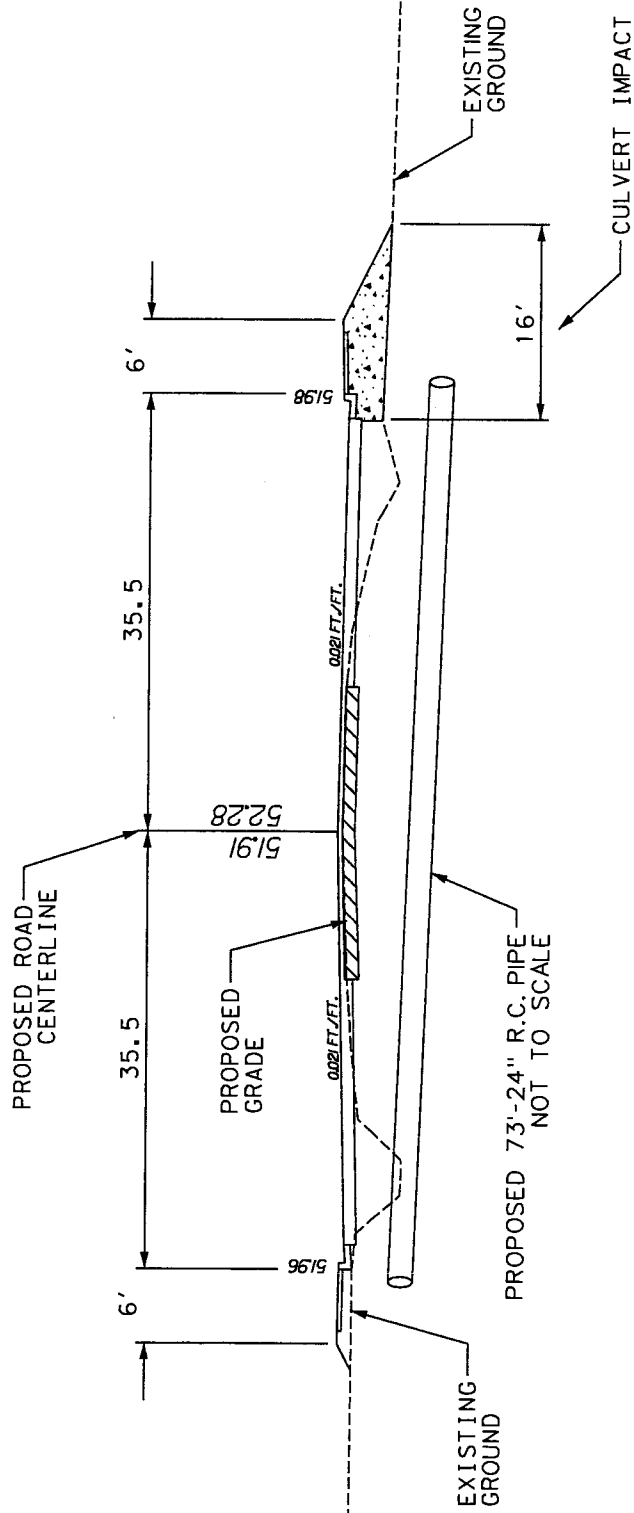


MACTEC
720 GILBERT ROAD
SUITE 200
COLUMBIA, SOUTH CAROLINA 29204

SAT 2006-2342-D12



	
<p>Overall Wetlands Map - Proposed Impacts</p> <p>Project Title: SCDOT US 17A Roadway Improvements Project</p> <p>Applicant: S.C. Department of Transportation</p> <p>SCDOT Pin: 32502</p> <p>Location: Berkeley County, SC</p> <p>Date: December 31, 2009</p> <p>Permit Number:</p> <p>Sheet: 47 of 62</p>	<p><i>SA 2004-2342-D1E</i></p>
<p>LEGEND</p> <ul style="list-style-type: none"> JURISDICTIONAL WETLANDS EXISTING ROW NPDES LINE CONSTRUCTION LIMITS PROPOSED ROW WATERS OF THE U.S. STREAM 1 CULVERT IMPACT (7'-39' LF @ 0.011 AC) 	



SECTION W-W U.S. HWY 17A STA 773+00

LEGEND

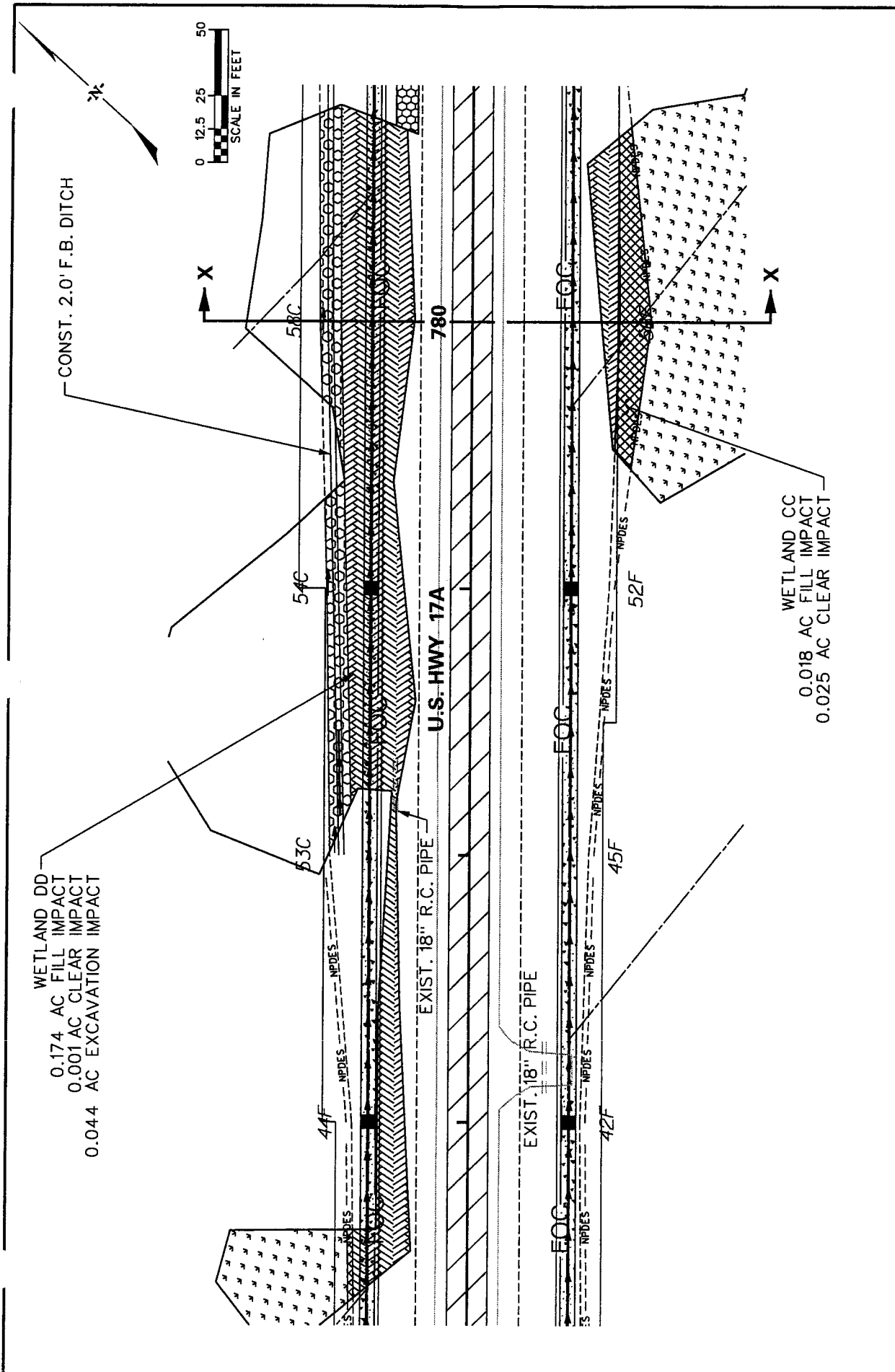
CULVERT IMPACT

Waters of the U.S. / Wetlands Cross-Section W-W
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
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MACTEC
 2700 S. 10th Ave.
 Columbia, SC 29204
 803.733.1200

SAR 2004-2342-D12



LEGEND

- JURISDICTIONAL WETLANDS
- EXISTING ROW
- NPDES LINE
- CONSTRUCTION LIMITS
- PROPOSED ROW

WETLAND CC, DD

FILL IMPACT (+/- 0.192 AC)

WETLAND CC, DD

CLEAR IMPACT (+/- 0.026 AC)

WETLAND DD

EXCAVATION IMPACT (+/- 0.044 AC)

Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

Sheet: 49 of 62

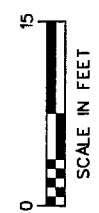
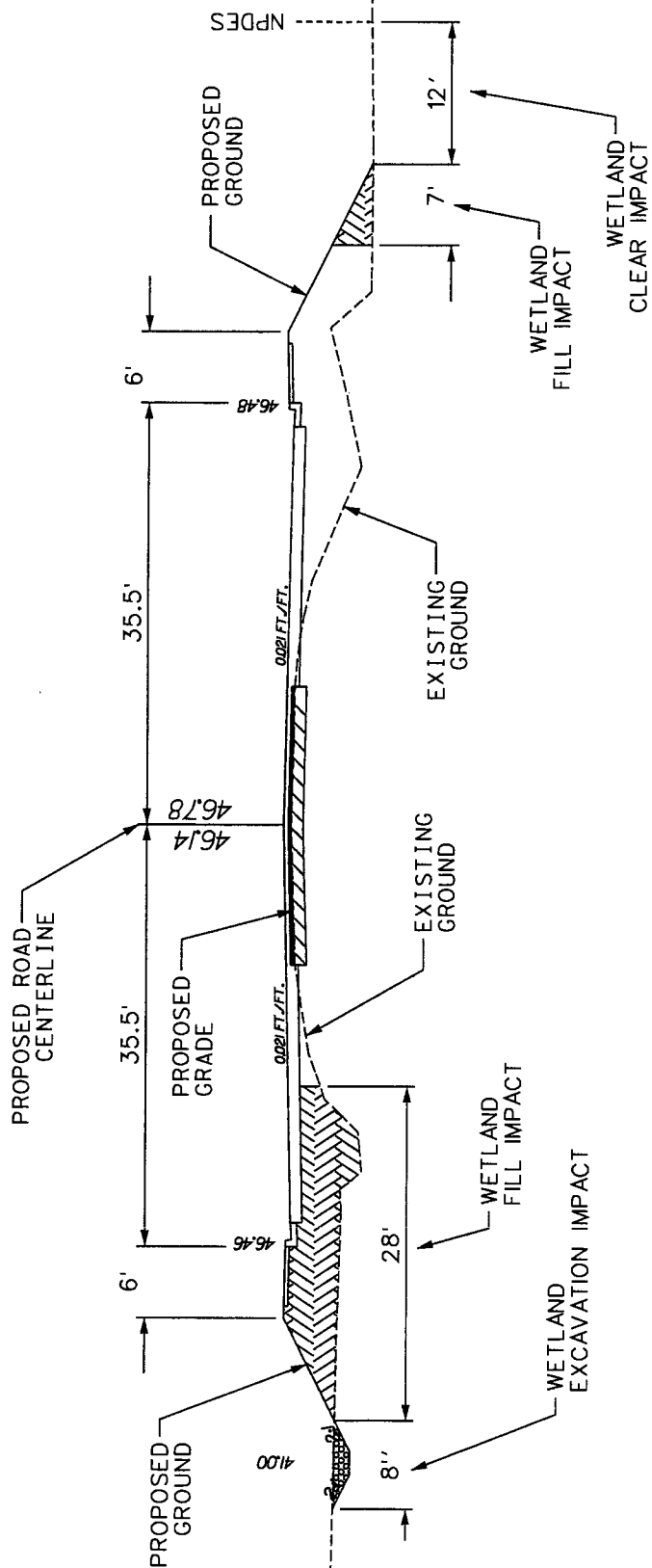
SCDOT

South Carolina Department of Transportation

MACTEC

220 GASTON ROAD
COLUMBIA, SOUTH CAROLINA 29204
803.746.2500

SA 2004-2342-D12



SECTION X-X U.S. HWY 17A STA 780+00

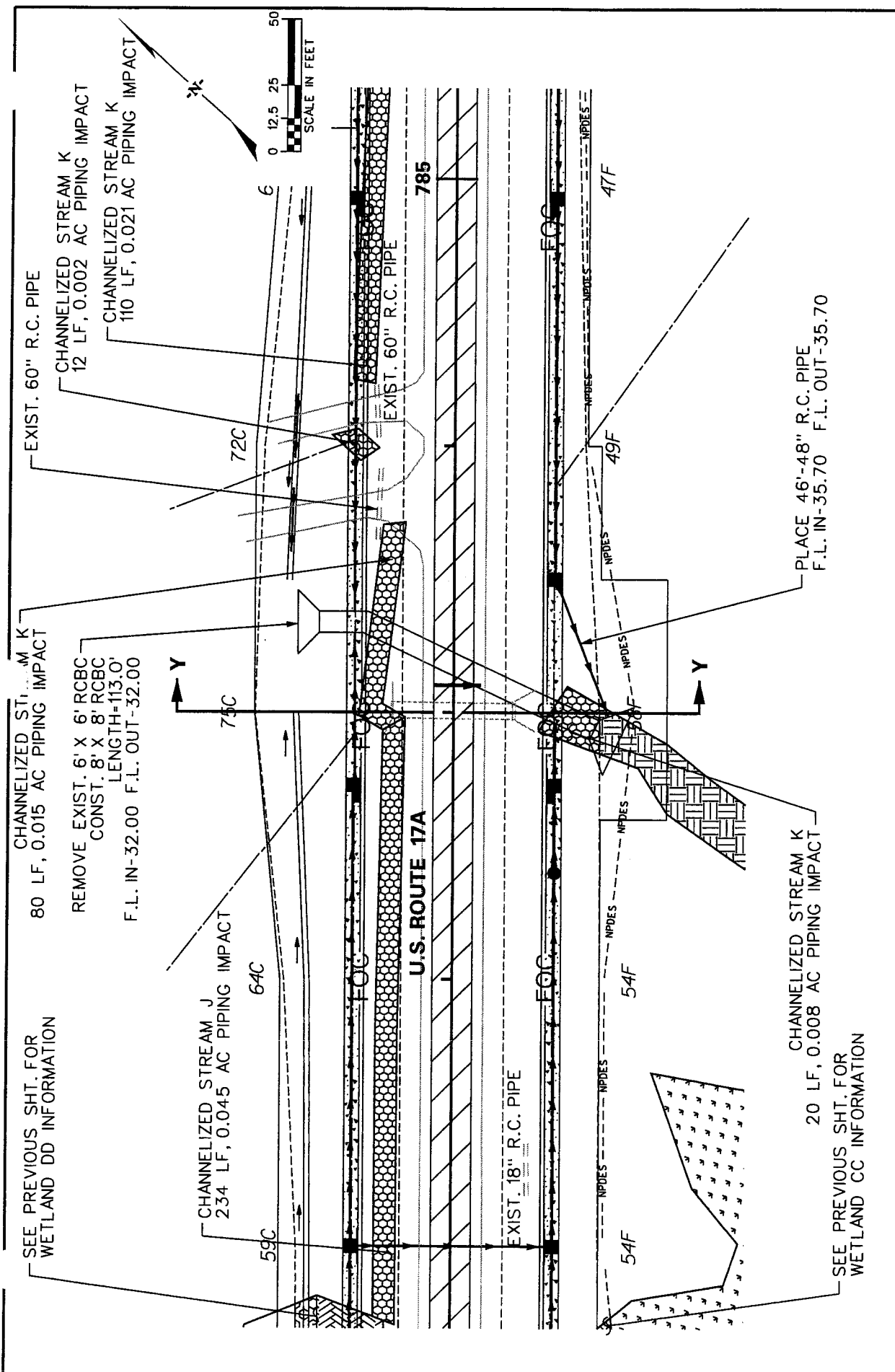
LEGEND
 WETLAND FILL IMPACT
 WETLAND EXCAVATION IMPACT

Waters of the U.S. / Wetlands Cross-Section X-X
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
 Sheet: 50 of 62

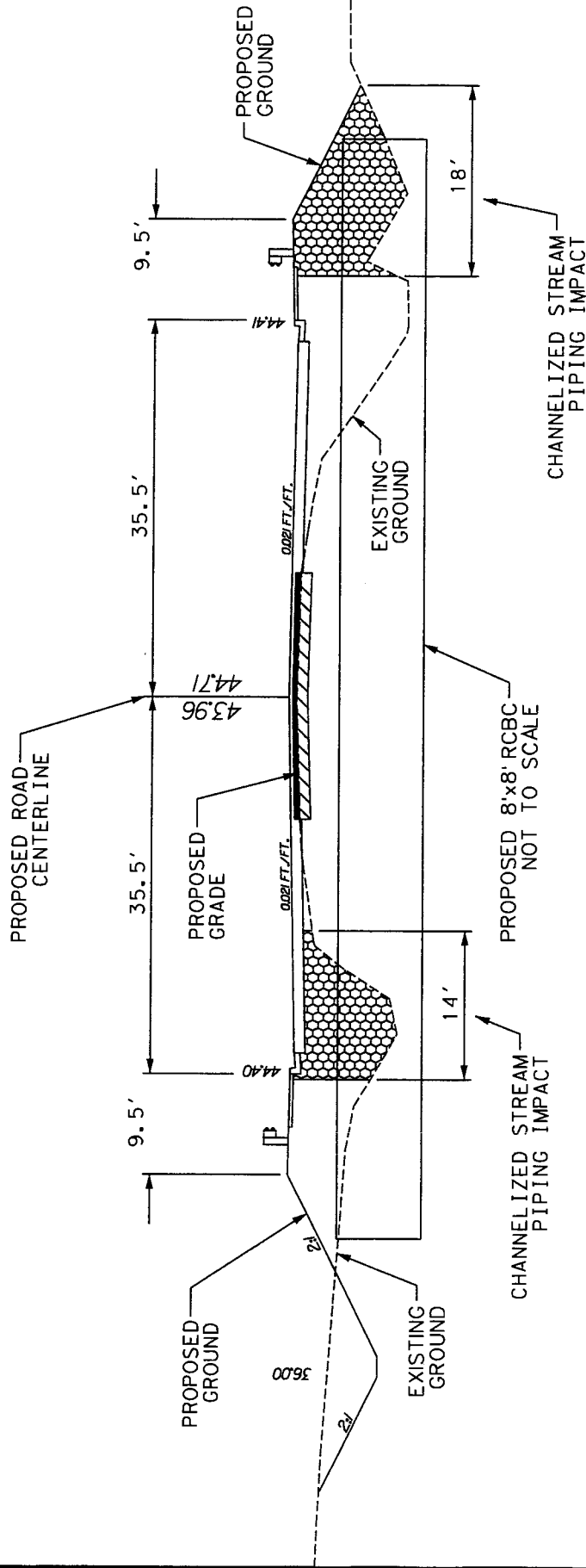


MACTEC
 2700 S. 10th St.
 Columbia, SC 29204

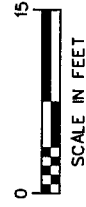
SAR 2004-2342-D12



<p>LEGEND</p> <ul style="list-style-type: none"> JURISDICTIONAL WETLANDS EXISTING ROW NPDES LINE CONSTRUCTION LIMITS PROPOSED ROW CHANNELIZED STREAM 	<p>Overall Wetlands Map - Proposed Impacts</p> <p>Project Title: SCDOT US 17A Roadway Improvements Project</p> <p>Applicant: S.C. Department of Transportation</p> <p>SCDOT Pin: 32502</p> <p>Location: Berkeley County, SC</p> <p>Date: December 31, 2009</p> <p>Permit Number:</p> <p>Sheet: 51 of 62</p>	<p>CHANNELIZED STREAM J,K PIPING IMPACT (+/- 456 LF (0.091 AC))</p>
<p>SCDOT</p>	<p>MACTEC</p> <p>720 GALTHER ROAD COLUMBIA, SC 29209 803.746.2200</p>	<p>SAC 2000-2342-D12</p>



SECTION Y-Y
U.S. HWY 17A STA 783+00



LEGEND

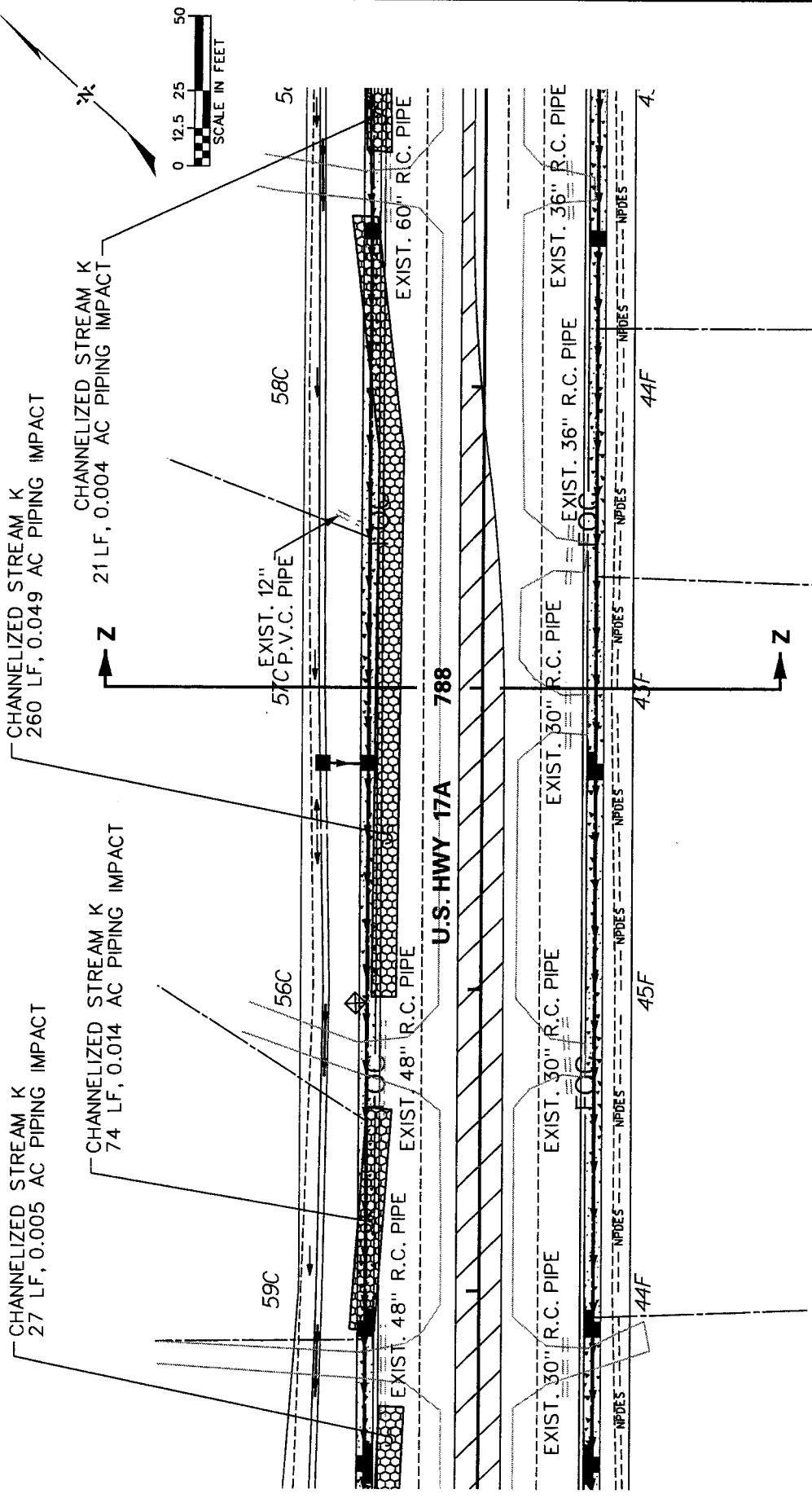
CHANNELIZED STREAM PIPING IMPACT

Waters of the U.S. / Wetlands Cross-Section Y-Y
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
Sheet: 52 of 62








MACTEC
224 PARKWAY SOUTH
SUITE 100
COLUMBIA, SOUTH CAROLINA 29204

SAR 2006-2362-D12

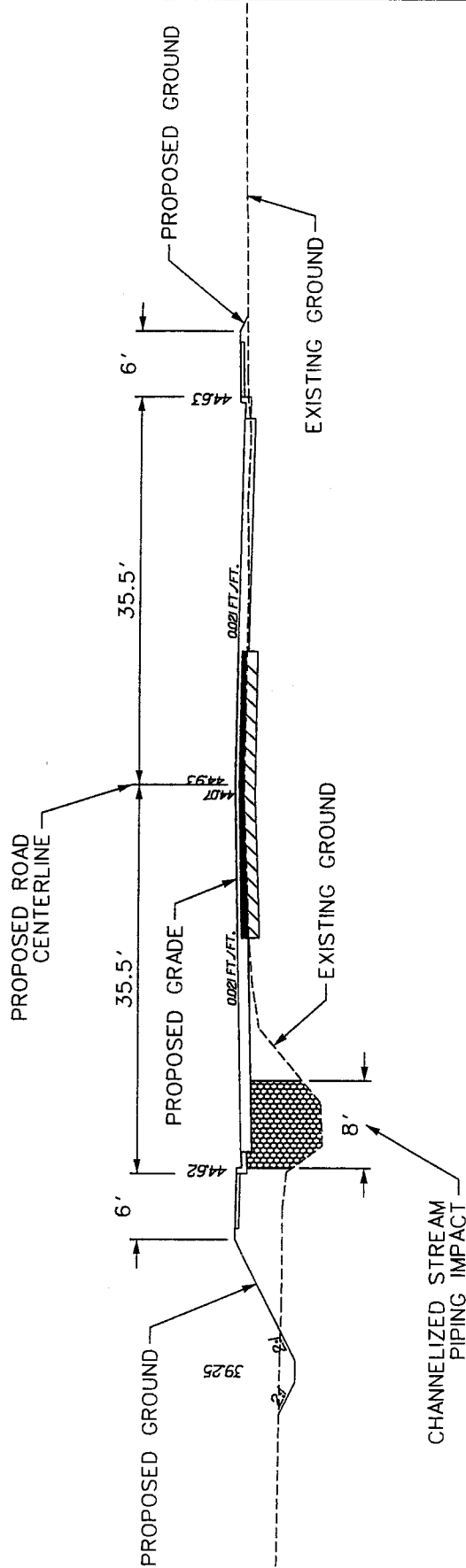


Overall Wetlands Map – Proposed Impacts
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
Sheet: 53 of 62

SAZ 2004-2342-D12

LEGEND
 JURISDICTIONAL WETLANDS
 EXISTING ROW
 NPDES LINE
 CONSTRUCTION LIMITS
 PROPOSED ROW

CHANNELIZED STREAM
PIPING IMPACT (+/- 382 LF (0.072 AC))



SECTION Z-Z U.S. HWY 17A STA 788+00



LEGEND

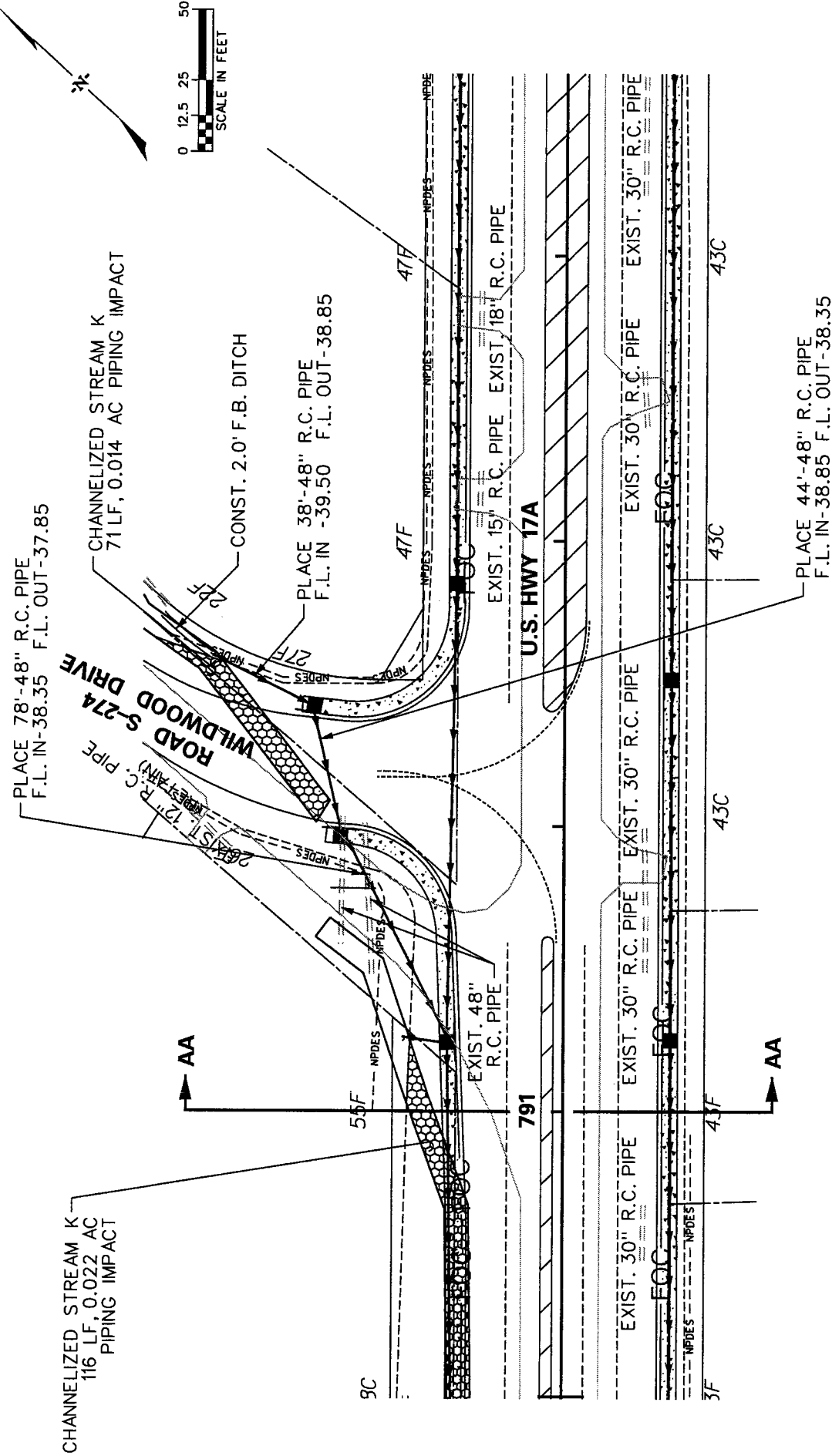
CHANNELIZED STREAM PIPING IMPACT

Waters of the U.S. / Wetlands Cross-Section X-X
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
 Sheet: 54 of 62



MACTEC
 720 EAST 15th ROAD
 COLUMBIA, SOUTH CAROLINA 29210
 803-742-6800

SAR 2004-2342-D1E

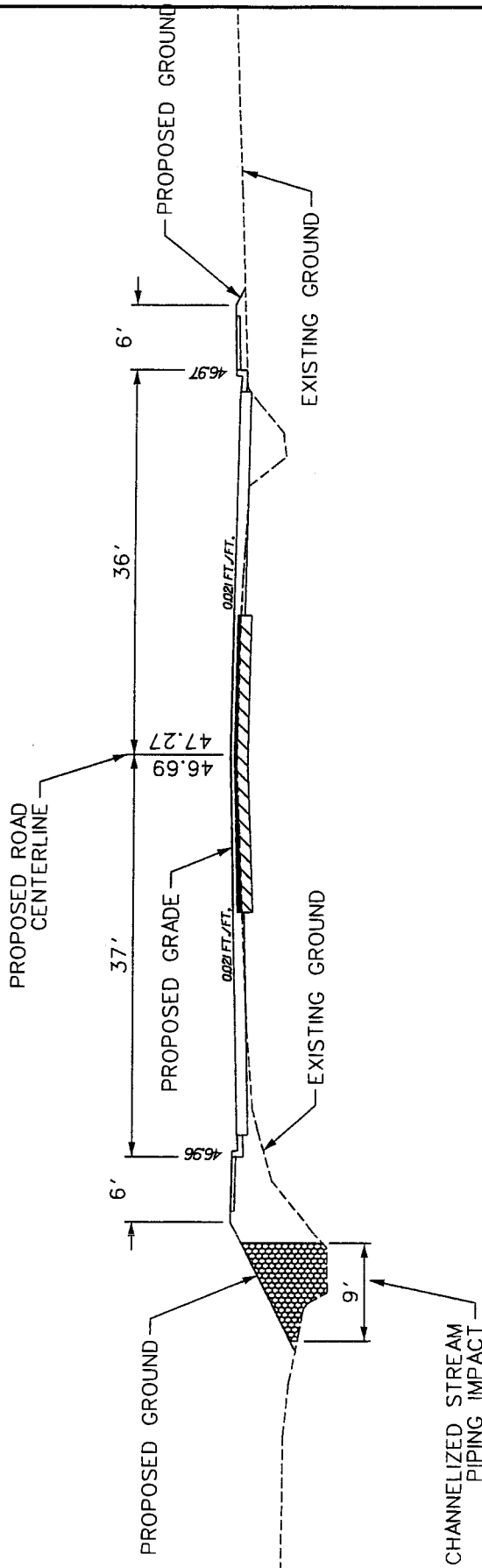


MACTEC
220 SHELBY ROAD
COLUMBIA, SOUTH CAROLINA 29204
TEL: 803.742.1200

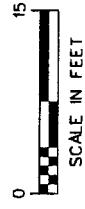
Overall Wetlands Map - Proposed Impacts
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
Sheet: 55 of 62

LEGEND
JURISDICTIONAL WETLANDS
CHANNELIZED STREAM K
PIPING IMPACT (116 LF (0.036 AC))
EXISTING ROW
NPDES LINE
CONSTRUCTION LIMITS
PROPOSED ROW

SAC 2004-2342-D1E



SECTION AA-AA **U.S. HWY 17A STA 791+00**



Waters of the U.S. / Wetlands Cross-Section AA-AA
 Project Title: SCDOT US 17A Roadway Improvements Project
 Applicant: S.C. Department of Transportation
 SCDOT Pin: 32502
 Location: Berkeley County, SC
 Date: December 31, 2009
 Permit Number:
 Sheet: 56 Of 62



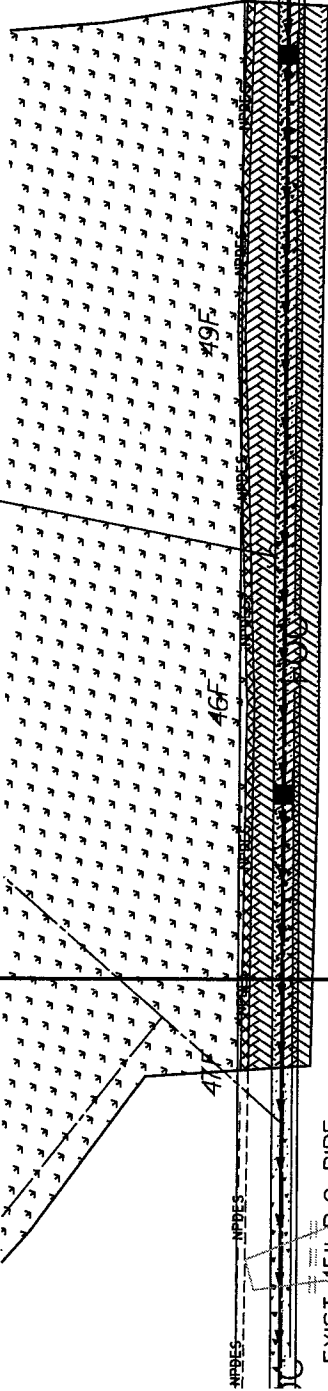
SAR 2009 2342 012

LEGEND

CHANNELIZED STREAM PIPING IMPACT

WETLAND FF
0.126 AC FILL IMPACT
0.013 AC CLEAR IMPACT

BB



EXIST. 15" R.C. PIPE

U.S. HWY 17A

799

EXIST. 24" R.C. PIPE



EXIST. 12" R.C. PIPE

43F

EXIST. 12" R.C. PIPE

WETLAND EE
0.013 AC FILL IMPACT
0.003 AC CLEAR IMPACT

BB

LEGEND

- JURISDICTIONAL WETLANDS
- EXISTING ROW
- NPDES LINE
- CONSTRUCTION LIMITS
- PROPOSED ROW
- WETLAND EE, FF FILL IMPACT (+/- 0.139 AC)
- WETLAND EE, FF CLEAR IMPACT (+/- 0.016 AC)

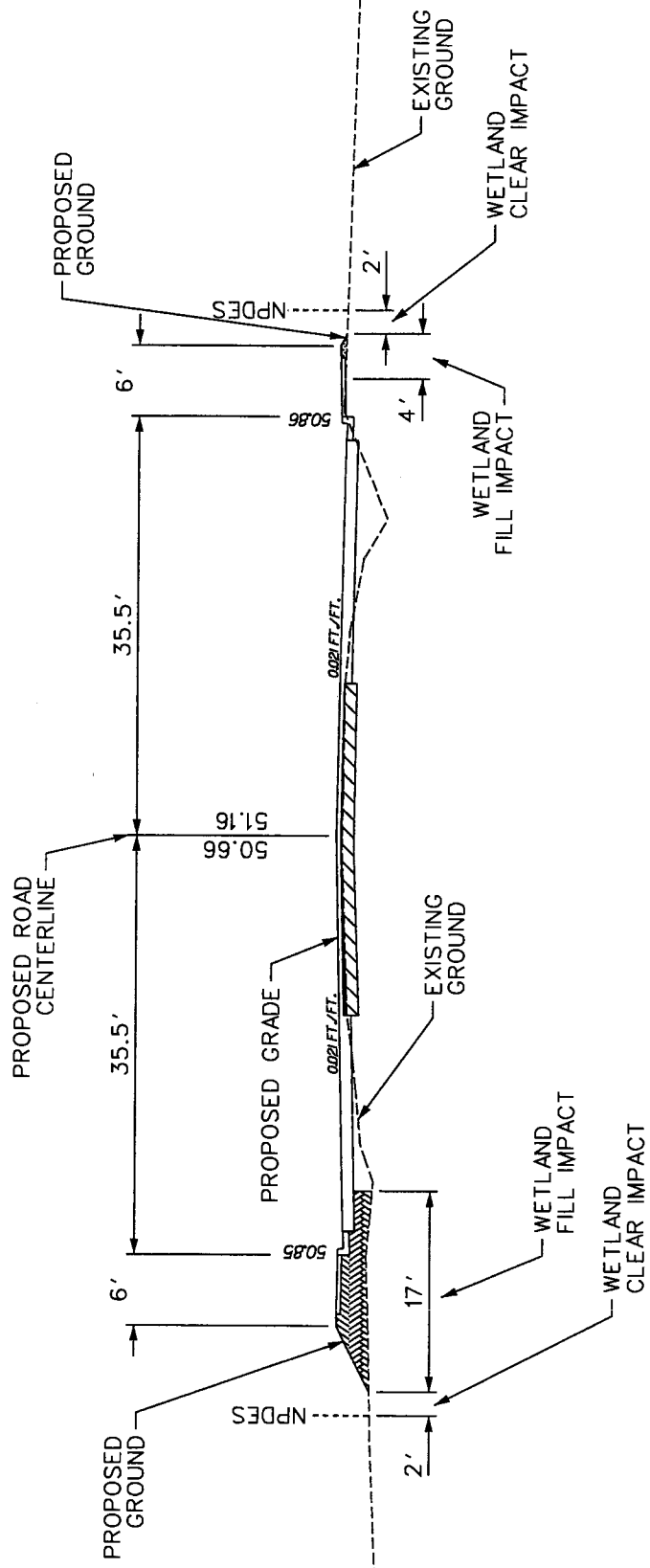
Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
Sheet: 57 of 62

SAR 2006-2342-D1E



MACTEC
720 QUARRY ROAD
COLUMBIA, SOUTH CAROLINA 29209
803.746.1800



SECTION BB-BB
U.S. HWY 17A STA 796+25



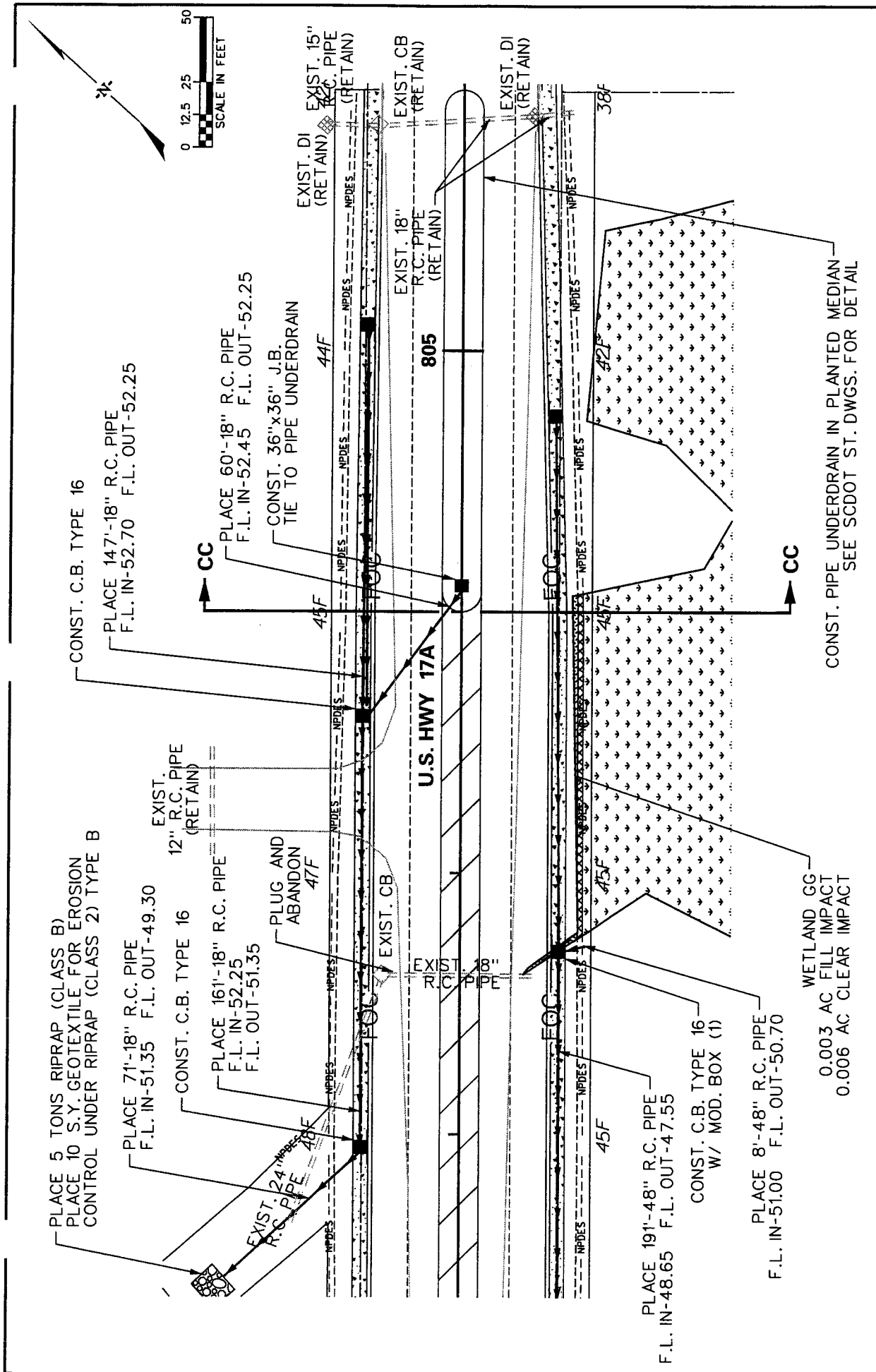
LEGEND
WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section BB-BB
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
Sheet: 58 of 62



MACTEC
770 EASTERN ROAD
COLUMBIA, SOUTH CAROLINA 29204
TEL: 803-748-2500

SAC 2004-2342-D12



LEGEND

- JURISDICTIONAL WETLANDS
- EXISTING ROW
- NPDES LINE
- CONSTRUCTION LIMITS
- PROPOSED ROW

WETLAND

- WETLAND FILL IMPACT (±/- 0.003 AC)
- WETLAND CLEAR IMPACT (±/- 0.006 AC)

Overall Wetlands Map - Proposed Impacts

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

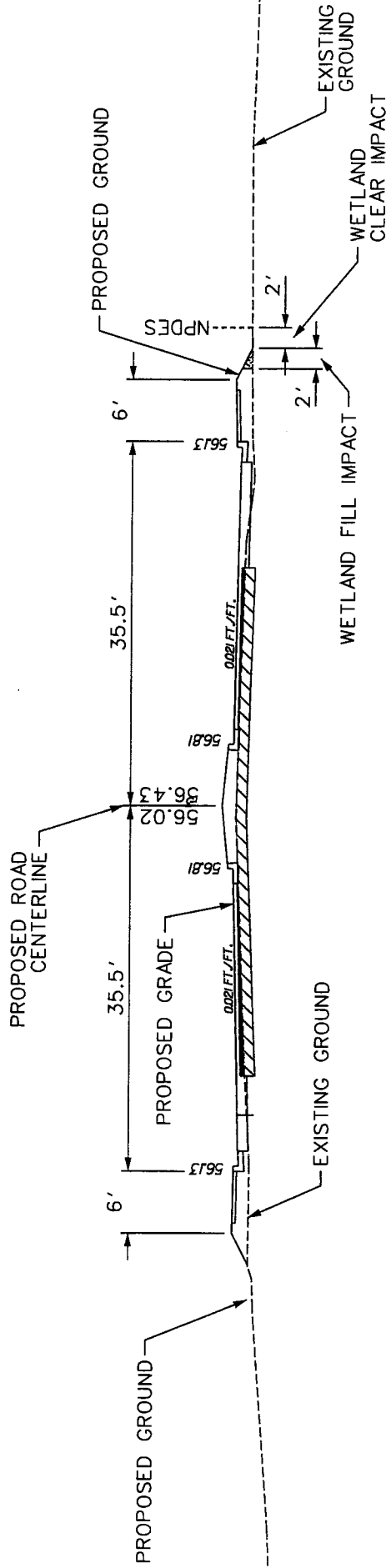
Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

Sheet: 59 of 62

SAR 2009-2342-D12



SECTION CC-CC U.S. HWY 17A STA 804+00

LEGEND

WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section CC-CC

Project Title: SCDOT US 17A Roadway Improvements Project

Applicant: S.C. Department of Transportation

SCDOT Pin: 32502

Location: Berkeley County, SC

Date: December 31, 2009

Permit Number:

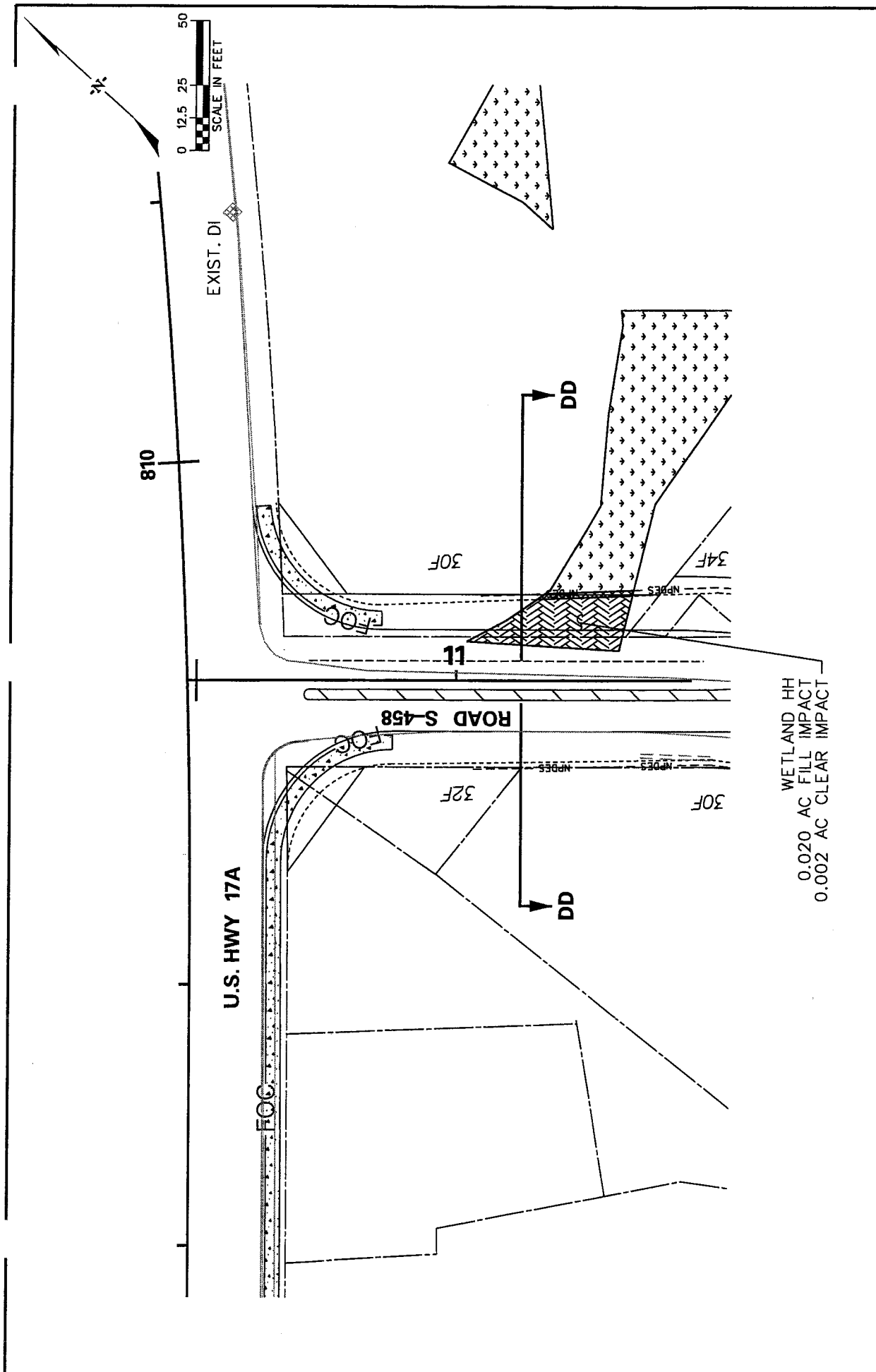
Sheet: 60 of 62

SAC 2004-2342-D12



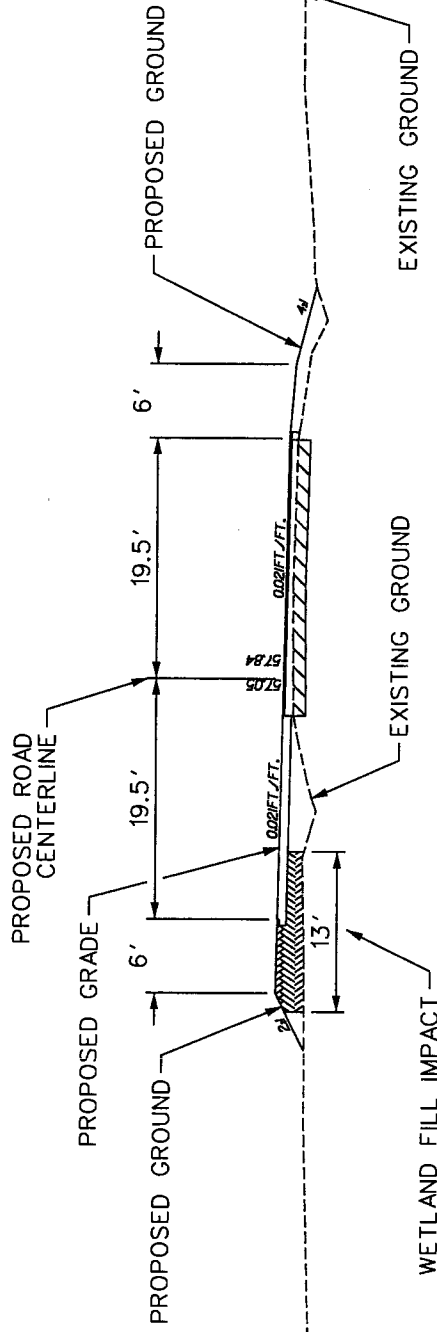
MACTEC

2700 CALHOUN ROAD
COLUMBIA, SC 29210

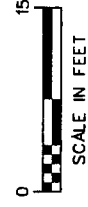


	<p>Overall Wetlands Map – Proposed Impacts</p> <p>Project Title: SCDOT US 17A Roadway Improvements Project</p> <p>Applicant: S.C. Department of Transportation</p> <p>SCDOT Pin: 32502</p> <p>Location: Berkeley County, SC</p> <p>Date: December 31, 2009</p> <p>Permit Number:</p> <p>Sheet: 61 of 62</p> <p><i>SAC 2004-2342-D12</i></p>	<p>LEGEND</p> <ul style="list-style-type: none"> JURISDICTIONAL WETLANDS EXISTING ROW NPDES LINE CONSTRUCTION LIMITS PROPOSED ROW WATERS OF THE U.S. WETLAND HH FILL IMPACT (+/- 0.020 AC) WETLAND HH CLEAR IMPACT (+/- 0.002 AC)
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MACTEC
 200 GILKIN ROAD
 COLUMBIA, MISSISSIPPI 39206



SECTION DD-DD ROAD S-458 STA 11+25



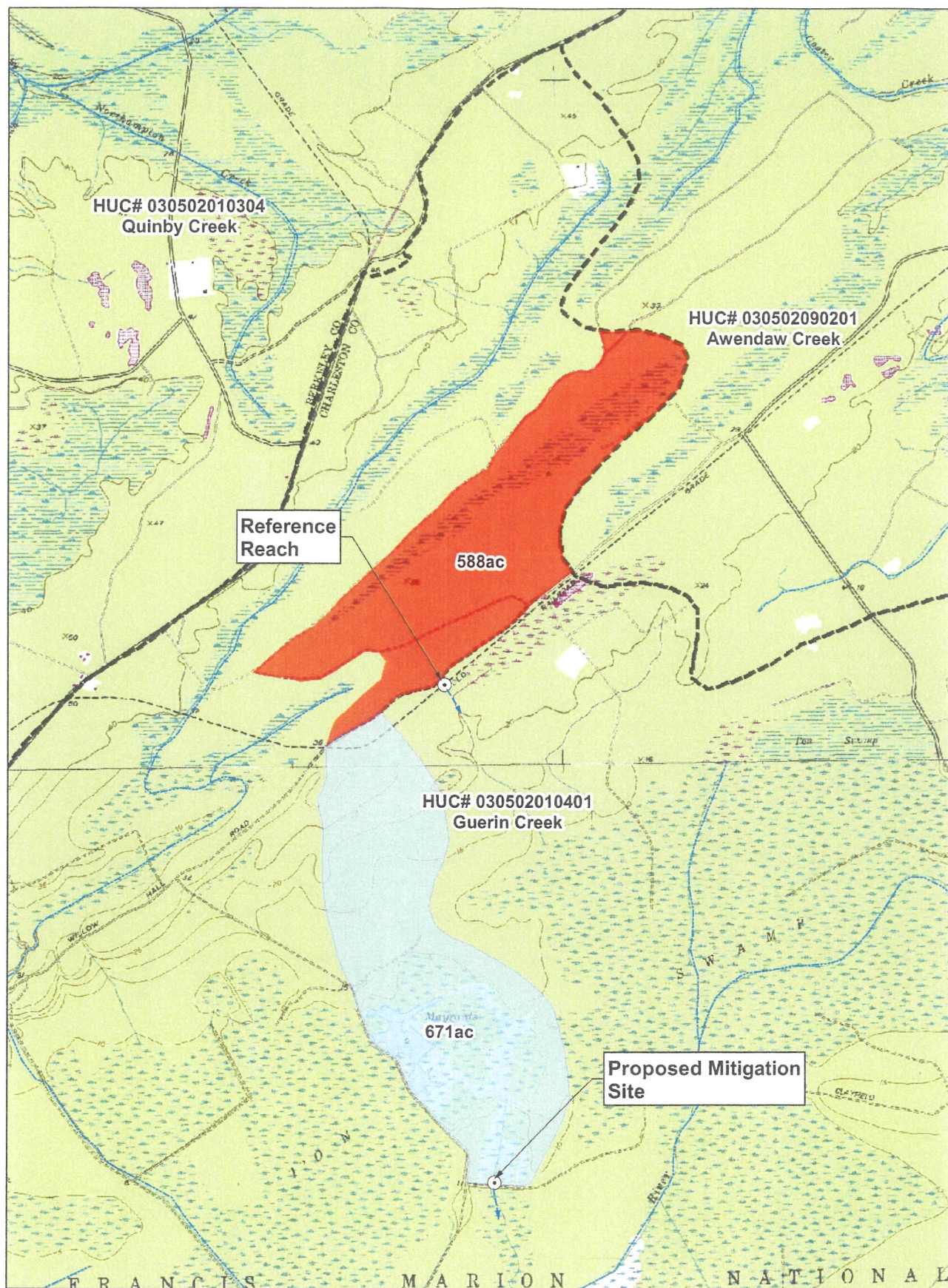
LEGEND
WETLANDS FILL IMPACT

Waters of the U.S. / Wetlands Cross-Section DD-DD
Project Title: SCDOT US 17A Roadway Improvements Project
Applicant: S.C. Department of Transportation
SCDOT Pin: 32502
Location: Berkeley County, SC
Date: December 31, 2009
Permit Number:
Sheet: 62 of 62



MACTEC
720 EAST 10TH AVE
COLUMBIA, SOUTH CAROLINA 29201

SAR 2004-2342-D12



Watershed

- Proposed Mitigation Site
- Reference Reach
- 12-Digit HUC Boundary
- Hydrology

Note: Approximate Watershed Area based on USGS Topographic Quadrangle, Aerial Orthophoto Interpretation, Location of Roadway, and Site Knowledge of Existing Drainage (ditches, culverts, etc.).

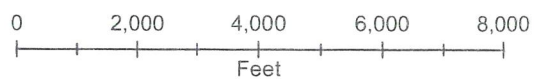


FIGURE 2 HOGPEN CREEK PROPOSED MITIGATION SITE SOUTH CAROLINA

SCDOT PIN#: PCN 32502

Drawn by: SJP Checked by: JBG

MACTEC Job #: 6671-09-0652 12/18/09

MACTEC